

Ordering Guide

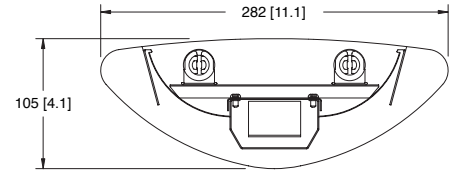
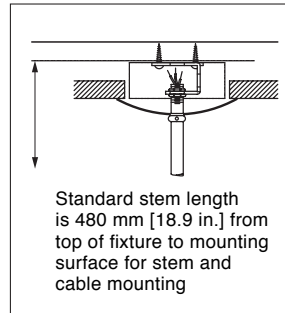
Academic O6A Series Pendant

5

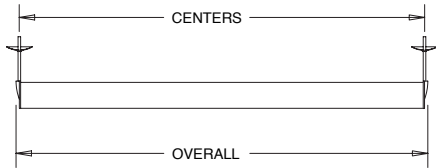
Mounting Information

Nominal Length	Overall mm [in]	Centers mm [in]
4'	1257 [49.5]	1219 [48.0]
8'	2476 [97.5]	2438 [96.0]
12'	3696 [145.5]	3658 [144.0]

All luminaires in this series are modular. There are no start, intermediate or end units. Luminaires are provided with through wiring, quick connectors and snap on end caps.



Model Shown:
Solid cross blade baffle



Photometrics on reverse

Series	Model	Length	Control Up	Control Down	Mounting	Finish	Source	Voltage
O6A	<input type="checkbox"/>	<input type="checkbox"/>	U	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A		4 4' long	Control Up U open top		Mounting 1 solid stem C yoke aircraft cable <input type="checkbox"/> standard 480mm [18.9"] <input type="checkbox"/> or indicate length		Source 4 T8 5 T5 6 T5 HO	
B		8 8' long						
C		12' 12' long	Light Control Down J Solid cross blade baffle O Solid cross blade baffle with opal overlay*		Finish W white S special finish: indicate paint # and manufacturer _____ _____		Voltage A 120 Volt B 277 Volt C 347 Volt	
D		R continuous rows						
C								
D								
D								
D								

Approvals

WR1-07-10

METALUMEN

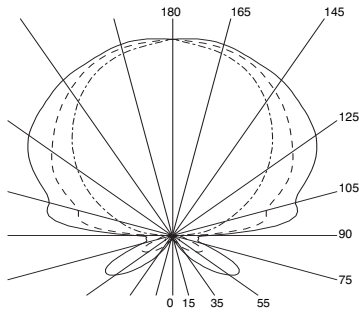
570 Southgate Drive, Guelph, Ontario N1G 4P6
Mailing Address: P. O. Box 1779, Guelph, Ontario N1H 6Z9
T: 800-621-6785 T: 519-822-4381 F: 519-822-4589

www.metalumen.com

Signature _____

Date _____

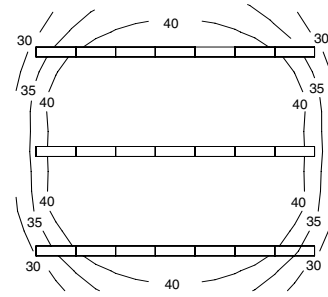
Distribution Curve



Candlepower Summary

Angle	0.0	22.5	45	67.5	90	Output Lumens
0	14	14	14	14	14	0
5	18	18	16	15	14	1
15	24	25	22	19	18	6
25	29	30	31	37	41	15
35	36	36	49	84	106	38
45	38	41	81	158	205	78
55	37	43	115	242	325	130
65	28	38	138	263	324	153
75	15	23	70	112	136	74
85	6	11	30	85	125	39
90	11	33	67	129	168	44
95	84	169	309	407	439	234
105	209	295	425	524	563	431
115	355	418	555	646	670	529
125	488	532	638	733	764	567
135	598	636	708	776	801	546
145	690	731	766	811	830	482
155	770	794	819	833	840	376
165	817	825	843	853	856	238
175	832	838	853	849	862	76
180	850	850	850	850	850	5

Room Layout

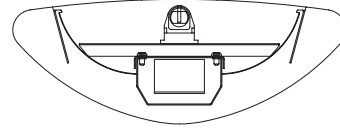


10.7(L) x 9.1(W) x 3.0(H)m [35 x 30 x 10 ft]
 Reflectances: 80/50/20
 Maintenance factor: 0.85
 Fixture spacing: 3.0m [10'-0"]
 Pendant length: 457mm [18"]

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	23	1	1
0-40	61	1	2
0-60	268	6	7
0-90	556	13	14
90-120	1216	28	30
90-130	1783	41	44
90-150	2811	64	69
90-180	3506	80	86
0-180	4062	92	100

T5 HO - 1 Lamp



Photometric Report: File # O6AAUO-6
 Efficiency: 92.3%
 14% Direct : 86% Indirect
 Model Shown: 1-F54 T5 HO Lamp
 Solid cross blade baffle with opal overlay

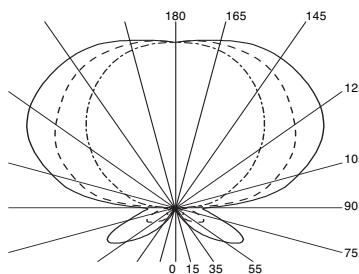
Coefficients of Utilization
Zonal Cavity Method

Effective Floor Cavity Reflectance = .20

RC	80				70				50			
RW	70	50	30	10	70	50	30	10	50	30	10	
RCR	0	91	91	91	91	80	80	80	80	58	58	58
	1	82	78	74	71	72	68	65	62	50	48	46
	2	74	67	62	57	65	59	54	50	43	39	37
	3	67	59	52	46	58	51	45	41	37	33	30
	4	61	51	44	38	53	45	38	34	32	28	25
	5	56	45	38	32	48	39	33	28	28	24	21
	6	51	40	32	27	44	35	28	24	25	21	17
	7	47	36	28	23	40	31	25	20	22	18	15
	8	43	32	25	20	37	28	22	18	20	16	13
	9	40	29	22	17	34	25	19	15	18	14	11
	10	37	26	20	15	32	23	17	13	16	12	10

Laboratory results may not be representative of field performance. Ballast factors have not been applied. Additional IES files with lamping and control options available on line at www.metalumen.com/ies

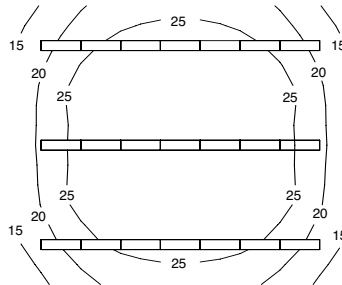
Distribution Curve



Candlepower Summary

Angle	0.0	22.5	45	67.5	90	Output Lumens
0	6	6	6	6	6	0
5	9	9	7	7	6	1
15	14	13	13	11	10	3
25	19	19	21	24	25	10
35	23	25	34	52	63	24
45	27	30	50	92	119	48
55	27	31	68	139	188	77
65	20	26	86	180	234	104
75	11	17	63	118	149	74
85	4	9	24	66	95	30
90	7	14	30	72	102	23
95	54	107	159	199	222	123
105	125	201	298	357	378	293
115	207	274	383	456	476	361
125	284	339	429	499	524	375
135	352	396	464	518	538	353
145	407	440	492	528	539	304
155	451	470	500	522	531	229
165	476	486	497	510	507	141
175	487	489	491	493	489	44
180	485	485	485	485	485	3

Room Layout

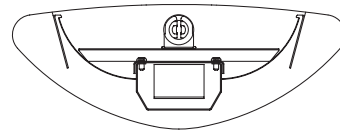


10.7(L) x 9.1(W) x 3.0(H)m [35 x 30 x 10 ft]
 Reflectances: 80/50/20
 Maintenance factor: 0.75
 Fixture spacing: 3.0m [10'-0"]
 Pendant length: 457mm [18"]

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	14	1	1
0-40	38	1	2
0-60	163	6	6
0-90	383	13	15
90-120	789	27	30
90-130	1164	40	44
90-150	1820	63	70
90-180	2237	77	85
0-180	2620	90	100

T8 - 1 Lamp



Photometric Report: File # O6AAUJ-4
 Efficiency: 90.3%
 15% Direct : 85% Indirect
 Model Shown: 1-F32 T8 Lamp
 Solid cross blade baffle

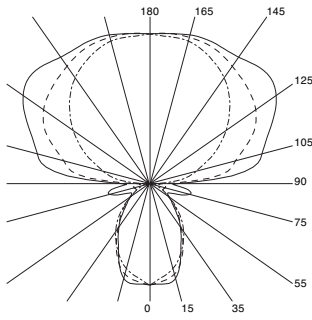
Coefficients of Utilization
Zonal Cavity Method

Effective Floor Cavity Reflectance = .20

RC	80				70				50			
RW	70	50	30	10	70	50	30	10	50	30	10	
RCR	0	90	90	90	90	78	78	78	78	58	58	58
	1	80	76	73	69	70	67	64	61	49	47	45
	2	73	66	60	55	63	57	52	48	42	38	36
	3	66	57	50	45	57	50	44	39	36	32	29
	4	60	50	43	37	52	43	37	33	31	27	24
	5	54	44	36	31	47	38	32	27	28	23	20
	6	50	39	31	26	43	34	28	23	24	20	17
	7	46	35	27	22	39	30	24	20	22	17	14
	8	42	31	24	19	36	27	21	17	20	15	12
	9	39	28	21	17	34	24	19	15	18	14	11
	10	36	25	19	15	31	22	17	13	16	12	9

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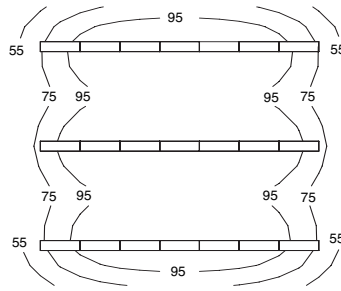
Distribution Curve



Candlepower Summary

Angle	0.0	22.5	45	67.5	90	Output Lumens
0	922	922	922	922	922	6
5	872	887	904	913	927	81
15	795	816	852	890	897	241
25	666	698	707	667	662	317
35	522	542	487	472	487	315
45	362	363	336	313	314	262
55	200	215	189	194	215	181
65	107	113	122	177	219	143
75	55	63	127	302	408	191
85	22	37	90	207	284	99
90	22	58	118	213	268	73
95	170	317	526	670	725	400
105	343	576	805	1006	1075	819
115	583	771	1040	1179	1227	967
125	804	926	1190	1374	1413	1031
135	997	1084	1246	1418	1483	966
145	1161	1220	1303	1385	1414	816
155	1267	1306	1374	1402	1406	627
165	1332	1363	1378	1406	1402	391
175	1348	1358	1387	1380	1369	123
180	1367	1367	1367	1367	1367	8

Room Layout

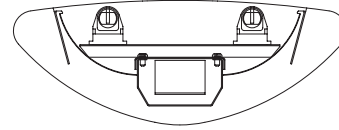


10.7(L) x 9.1(W) x 3.0(H)m [35 x 30 x 10 ft]
 Reflectances: 80/50/20
 Maintenance factor: 0.85
 Fixture spacing: 3.0m [10'-0"]
 Pendant length: 457mm [18"]

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0- 30	644	7	8
0- 40	959	11	12
0- 60	1401	16	17
0- 90	1871	21	23
90-120	2222	25	28
90-130	3254	37	40
90-150	5036	57	63
90-180	6184	70	77
0-180	8055	92	100

T5 HO - 2 Lamps



Photometric Report: File # O6ABUO-6
 Efficiency: 91.5%
 23% Direct : 77% Indirect
 Model Shown: 2-F54 T5 HO Lamps
 Solid cross blade baffle with opal overlay

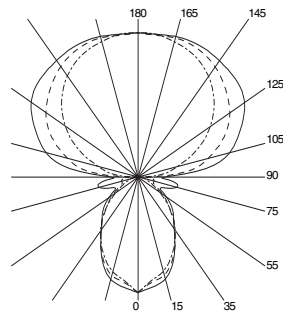
Coefficients of Utilization
Zonal Cavity Method

Effective Floor Cavity Reflectance = .20

RC	80				70				50			
RW	70	50	30	10	70	50	30	10	50	30	10	
RCR												
0	93	93	93	93	82	82	82	82	63	63	63	
1	84	80	76	73	74	71	68	65	54	52	50	
2	76	70	64	60	68	62	57	53	47	44	42	
3	70	61	55	50	62	55	49	45	42	38	35	
4	64	54	47	42	56	48	42	38	37	33	30	
5	58	48	41	36	52	43	37	32	33	29	26	
6	54	43	36	31	48	39	33	28	30	26	22	
7	50	39	32	27	44	35	29	25	27	23	20	
8	46	35	28	24	41	32	26	22	25	20	17	
9	43	32	25	21	38	29	23	19	22	18	15	
10	40	29	23	19	35	26	21	17	21	17	14	

Laboratory results may not be representative of field performance. Ballast factors have not been applied. Additional IES files with lamping and control options available on line at www.metalumen.com/ies

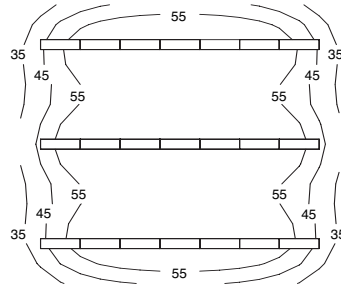
Distribution Curve



Candlepower Summary

Angle	0.0	22.5	45	67.5	90	Output Lumens
0	723	723	723	723	723	4
5	667	668	678	697	707	61
15	606	617	639	650	666	180
25	510	527	532	535	542	245
35	399	412	403	393	399	252
45	284	288	281	297	318	226
55	163	177	190	210	223	173
65	90	100	115	142	162	120
75	46	53	92	201	271	133
85	18	30	72	155	208	76
90	12	31	66	130	170	44
95	95	169	257	321	358	199
105	223	321	456	563	608	464
115	383	464	605	691	717	573
125	533	594	706	800	825	623
135	658	707	783	848	875	601
145	758	798	847	884	892	527
155	836	858	888	910	914	409
165	877	891	908	913	912	256
175	904	909	897	901	896	81
180	907	907	907	907	907	5

Room Layout

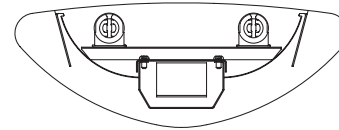


10.7(L) x 9.1(W) x 3.0(H)m [35 x 30 x 10 ft]
 Reflectances: 80/50/20
 Maintenance factor: 0.75
 Fixture spacing: 3.0m [10'-0"]
 Pendant length: 457mm [18"]

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0- 30	491	9	9
0- 40	743	13	14
0- 60	1142	20	22
0- 90	1493	26	28
90-120	1258	22	24
90-130	1881	32	36
90-150	3009	52	57
90-180	3759	65	72
0-180	5252	91	100

T8-2 Lamps



Photometric Report: File # O6ABUJ-4
 Efficiency: 90.5%
 28% Direct : 72% Indirect
 Model Shown: 2-F32 T8 Lamps
 Solid cross blade baffle

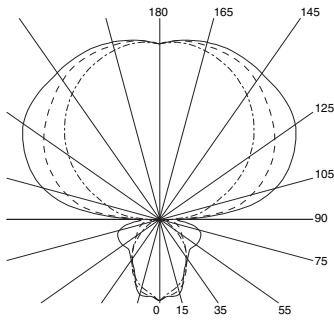
Coefficients of Utilization
Zonal Cavity Method

Effective Floor Cavity Reflectance = .20

RC	80				70				50			
RW	70	50	30	10	70	50	30	10	50	30	10	
RCR												
0	93	93	93	93	83	83	83	83	65	65	65	
1	84	80	76	73	75	72	68	66	56	54	52	
2	76	70	64	60	68	62	58	54	49	46	43	
3	70	61	55	50	62	55	49	45	43	39	36	
4	64	54	47	42	57	49	43	38	38	34	31	
5	58	48	41	36	52	43	37	33	34	30	26	
6	54	43	36	31	48	39	33	28	31	26	23	
7	50	39	32	27	44	35	29	25	28	23	20	
8	46	35	28	24	41	32	26	22	25	21	18	
9	43	32	26	21	38	29	23	19	23	19	16	
10	40	29	23	19	36	27	21	17	21	17	14	

Laboratory results may not be representative of field performance. Ballast factors have not been applied. Additional IES files with lamping and control options available on line at www.metalumen.com/ies

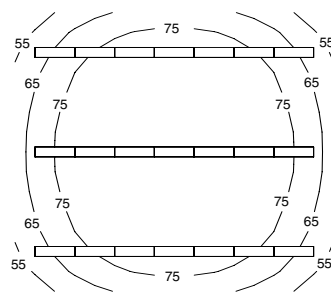
Distribution Curve



Candlepower Summary

Angle	0.0	22.5	45	67.5	90	Output Lumens
0	1011	1011	1011	1011	1011	6
5	938	948	976	958	1002	86
15	861	881	922	942	965	259
25	729	764	770	731	726	346
35	583	606	564	585	623	370
45	423	431	445	502	550	361
55	250	272	326	474	588	334
65	139	161	282	482	594	320
75	74	91	210	427	554	275
85	28	51	115	241	324	119
90	32	68	135	227	287	81
95	263	458	638	742	782	482
105	574	849	1204	1446	1520	1202
115	961	1180	1538	1781	1856	1466
125	1317	1487	1771	2019	2093	1566
135	1615	1769	1949	2131	2200	1501
145	1874	1987	2126	2207	2250	1317
155	2054	2139	2235	2280	2298	1022
165	2174	2211	2268	2295	2305	639
175	2230	2237	2238	2268	2252	201
180	2206	2206	2206	2206	2206	13

High Ceiling Room Layout

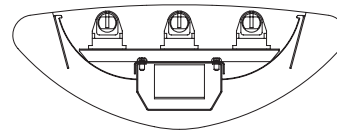


10.7(L) x 9.1(W) x 7.6(H)m [35 x 30 x 25 ft]
 Reflectances: 80/50/20
 Maintenance factor: 0.85
 Fixture spacing: 3.0m [10'-0"]
 Mounting height: 4.6m [15ft]

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0- 30	698	5	6
0- 40	1068	8	9
0- 60	1763	13	15
0- 90	2519	19	21
90-120	3191	24	27
90-130	4757	36	40
90-150	7575	57	63
90-180	9450	72	79
0-180	11969	91	100

T5 HO - 3 Lamps



Photometric Report: File # O6ACUO-6
 Efficiency: 90.7%
 21% Direct : 79% Indirect
 Model Shown: 3-F54 T5 HO Lamps
 Solid cross blade baffle with opal overlay

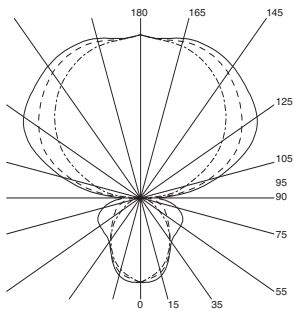
Coefficients of Utilization
Zonal Cavity Method

Effective Floor Cavity Reflectance = .20

RC	80				70				50			
RW	70	50	30	10	70	50	30	10	50	30	10	
RCR												
0	91	91	91	91	81	81	81	81	61	61	61	
1	83	79	75	72	73	70	67	64	52	51	49	
2	75	68	63	58	66	60	56	52	46	43	40	
3	68	60	53	48	60	53	47	43	40	36	33	
4	62	53	46	40	55	47	41	36	35	31	28	
5	57	47	40	34	50	41	35	31	31	27	24	
6	52	42	35	29	46	37	31	26	28	24	21	
7	48	37	30	26	42	33	27	23	25	21	18	
8	45	34	27	22	39	30	24	20	23	19	16	
9	41	31	24	20	36	27	22	18	21	17	14	
10	38	28	22	17	34	25	19	16	19	15	12	

Laboratory results may not be representative of field performance. Ballast factors have not been applied. Additional IES files with lamping and control options available on line at www.metalumen.com/ies

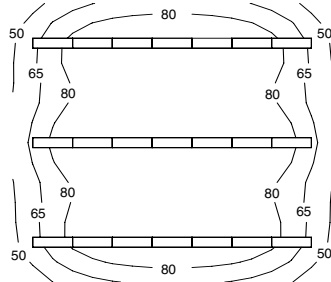
Distribution Curve



Candlepower Summary

Angle	0.0	22.5	45	67.5	90	Output Lumens
0	758	758	758	758	758	5
5	728	722	730	757	758	66
15	666	667	700	708	721	196
25	562	585	589	588	603	271
35	445	460	460	474	488	292
45	331	338	349	414	464	290
55	201	220	278	386	459	272
65	117	135	226	364	439	249
75	60	75	159	288	362	194
85	24	40	90	178	228	89
90	18	39	78	145	184	50
95	162	220	274	330	365	222
105	374	503	637	704	728	633
115	620	743	939	1056	1078	890
125	856	961	1113	1251	1285	986
135	1054	1141	1252	1345	1379	959
145	1204	1288	1376	1434	1446	852
155	1336	1382	1447	1483	1490	662
165	1414	1427	1457	1484	1478	412
175	1432	1443	1439	1439	1448	129
180	1466	1466	1466	1466	1466	9

Room Layout

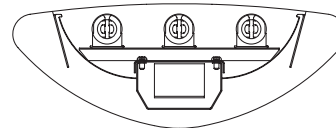


10.7(L) x 9.1(W) x 3.0(H)m [35 x 30 x 10 ft]
 Reflectances: 80/50/20
 Maintenance factor: 0.75
 Fixture spacing: 3.0m [10'-0"]
 Pendant length: 457mm [18"]

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0- 30	538	6	7
0- 40	830	10	11
0- 60	1393	16	18
0- 90	1949	22	25
90-120	1770	20	23
90-130	2756	32	36
90-150	4567	53	59
90-180	5779	66	75
0-180	7728	89	100

T8 - 3 Lamps



Photometric Report: File # O6ACUJ-4
 Efficiency: 88.8%
 25% Direct : 75% Indirect
 Model Shown: 3-F32 T8 Lamps
 Solid cross blade baffle

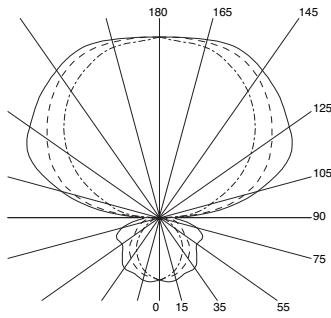
Coefficients of Utilization
Zonal Cavity Method

Effective Floor Cavity Reflectance = .20

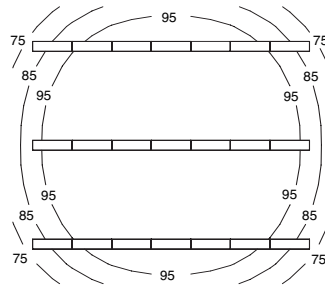
RC	80				70				50			
RW	70	50	30	10	70	50	30	10	50	30	10	
RCR												
0	90	90	90	90	80	80	80	80	62	62	62	
1	81	78	74	71	72	69	66	63	53	51	49	
2	74	67	62	57	65	60	55	52	46	43	40	
3	67	59	53	47	60	53	47	43	41	37	34	
4	61	52	45	40	54	46	40	36	36	32	28	
5	56	46	39	34	50	41	35	31	32	28	24	
6	52	41	34	29	46	37	31	26	29	24	21	
7	48	37	30	25	42	33	27	23	26	21	18	
8	44	33	27	22	39	30	24	20	23	19	16	
9	41	30	24	19	36	27	22	18	21	17	14	
10	38	28	21	17	34	25	19	16	19	15	13	

Laboratory results may not be representative of field performance. Ballast factors have not been applied. Additional IES files with lamping and control options available on line at www.metalumen.com/ies

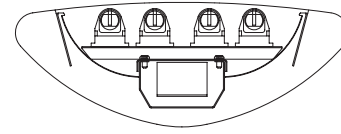
Distribution Curve



High Ceiling Room Layout



T5 HO - 4 Lamps



Photometric Report: File # O6ADUO-6
 Efficiency: 89.6%
 21% Direct : 79% Indirect
 Model Shown: 4-F54 T5 HO Lamps
 Solid cross blade baffle with opal overlay

Candlepower Summary

Angle	0.0	22.5	45	67.5	90	Output Lumens
0	1050	1050	1050	1050	1050	6
5	1010	1010	1035	1044	1078	92
15	939	940	995	1063	1093	284
25	799	849	934	1004	1045	429
35	663	727	820	976	1061	532
45	491	567	731	844	911	551
55	310	401	526	685	810	487
65	183	231	393	676	853	451
75	97	125	287	549	682	357
85	39	67	141	273	354	138
90	40	78	154	261	312	92
95	359	548	660	755	799	519
105	803	1113	1504	1683	1718	1471
115	1324	1572	1992	2345	2450	1935
125	1801	2029	2324	2587	2712	2063
135	2204	2412	2638	2823	2892	2018
145	2557	2711	2907	2993	3053	1793
155	2798	2899	3057	3134	3157	1396
165	2981	3005	3050	3130	3104	867
175	3031	3005	3059	3070	3037	272
180	3045	3045	3045	3045	3045	18

10.7(L) x 9.1(W) x 7.6(H)m [35 x 30 x 25 ft]
 Reflectances: 80/50/20
 Maintenance factor: 0.85
 Fixture spacing: 3.0m [10'-0"]
 Mounting height: 4.6m [15ft]

Coefficients of Utilization
Zonal Cavity Method

Effective Floor Cavity Reflectance = .20

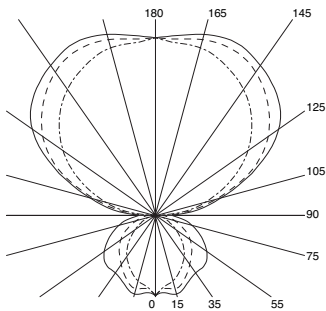
RC	80				70				50			
RW	70	50	30	10	70	50	30	10	50	30	10	
RCR	0	90	90	90	90	80	80	80	80	60	60	60
	1	82	78	74	71	72	69	66	63	52	50	48
	2	74	67	62	57	65	60	55	51	45	42	39
	3	67	59	52	47	59	52	47	42	40	36	33
	4	61	52	45	40	54	46	40	36	35	31	28
	5	56	46	39	34	49	41	35	30	31	27	23
	6	51	41	34	29	45	36	30	26	28	23	20
	7	47	37	30	25	42	33	27	22	25	21	18
	8	44	33	26	22	38	29	24	20	23	18	15
	9	41	30	23	19	36	27	21	17	20	16	13
	10	38	27	21	17	33	24	19	15	19	15	12

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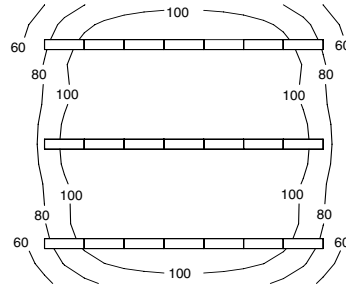
Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0- 30	812	5	5
0- 40	1344	8	9
0- 60	2382	14	15
0- 90	3374	19	21
90-120	3970	23	25
90-130	6033	34	38
90-150	9843	56	62
90-180	12397	70	79
0-180	15771	90	100

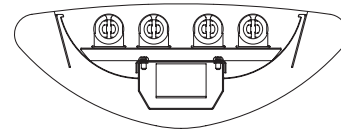
Distribution Curve



Room Layout



T8 - 4 Lamps



Photometric Report: File # O6ADUJ-4
 Efficiency: 86.5%
 26% Direct : 74% Indirect
 Model Shown: 4-F32 T8 Lamps
 Solid cross blade baffle

Candlepower Summary

Angle	0.0	22.5	45	67.5	90	Output Lumens
0	858	858	858	858	858	5
5	781	786	780	830	821	72
15	715	749	819	853	878	228
25	624	684	744	789	814	340
35	515	574	643	715	770	404
45	394	451	542	682	774	437
55	255	316	453	609	703	416
65	150	195	335	484	566	340
75	80	101	207	349	425	241
85	32	55	113	206	258	106
90	20	46	97	162	204	57
95	226	231	285	349	383	239
105	520	629	679	725	739	704
115	840	1009	1152	1197	1196	1086
125	1134	1315	1479	1600	1611	1293
135	1391	1567	1699	1799	1853	1295
145	1589	1734	1881	1945	1961	1152
155	1745	1830	1964	2017	2036	891
165	1835	1878	1958	1965	2020	548
175	1863	1864	1908	1886	1926	169
180	1894	1894	1894	1894	1894	11

10.7(L) x 9.1(W) x 3.0(H)m [35 x 30 x 10 ft]
 Reflectances: 80/50/20
 Maintenance factor: 0.75
 Fixture spacing: 3.0m [10'-0"]
 Pendant length: 457mm [18"]

Coefficients of Utilization
Zonal Cavity Method

Effective Floor Cavity Reflectance = .20

RC	80				70				50			
RW	70	50	30	10	70	50	30	10	50	30	10	
RCR	0	88	88	88	88	78	78	78	78	60	60	60
	1	79	76	72	69	71	67	65	62	52	50	48
	2	72	66	60	56	64	59	54	50	45	42	39
	3	65	57	51	46	58	51	46	42	40	36	33
	4	60	51	44	39	53	45	39	35	35	31	28
	5	55	45	38	33	48	40	34	30	31	27	24
	6	50	40	33	28	44	36	30	25	28	23	20
	7	46	36	29	24	41	32	26	22	25	21	18
	8	43	32	26	21	38	29	23	19	23	18	15
	9	40	29	23	19	35	26	21	17	21	16	14
	10	37	27	21	16	33	24	19	15	19	15	12

Laboratory results may not be representative of field performance. Ballast factors have not been applied. Additional IES files with lamping and control options available on line at www.metalumen.com/ies