

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: METALUX

Report Number: P895051

Luminaire Tested: 8TMB-4SL-RNDU-UNV-L940

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895051
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-3)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 8TMB-4SL-RNDU-UNV-L940
Description: 4000 Lumen 8FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 90CRI, 4
Light Source: -
Ballast/Driver: -

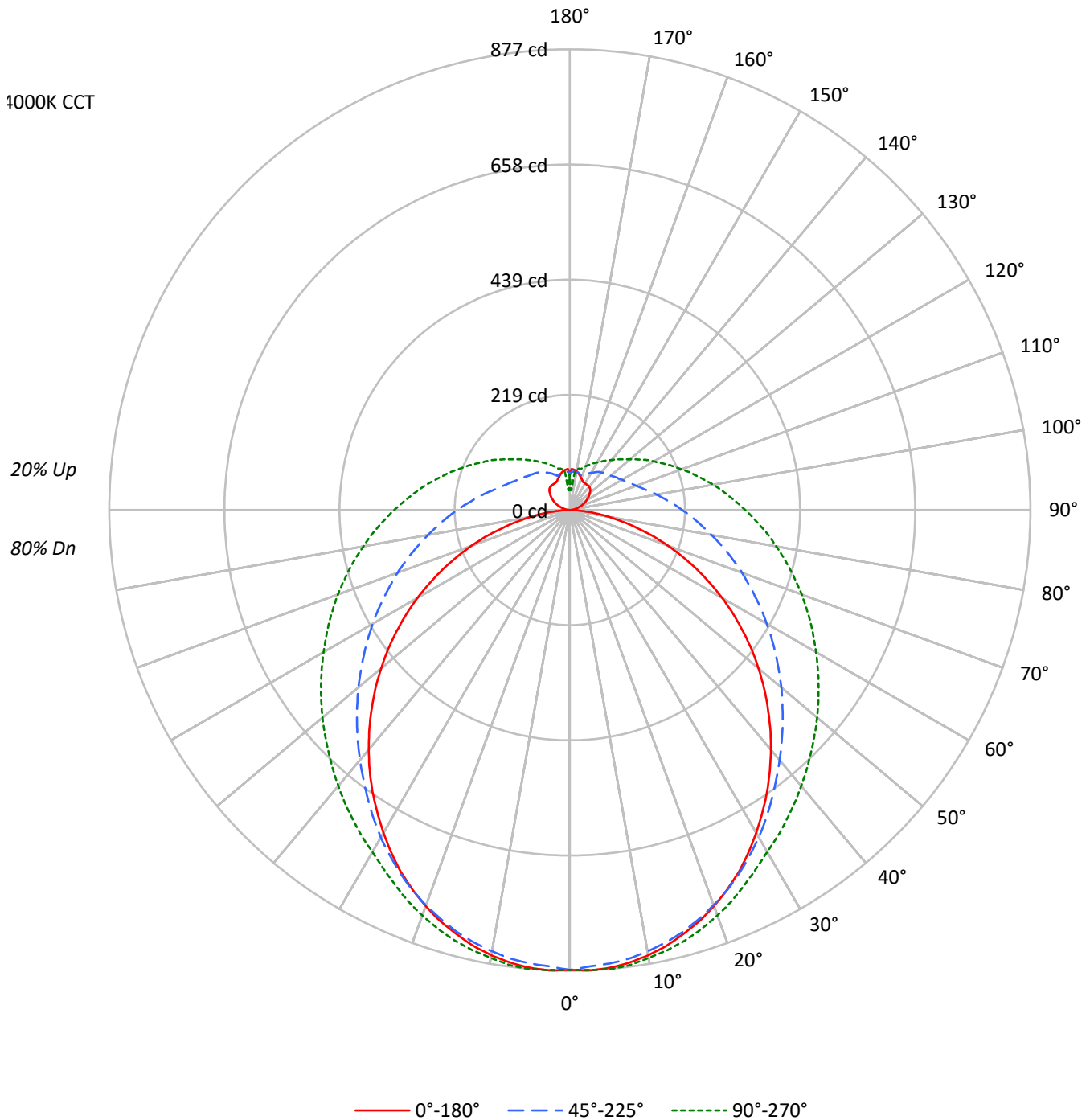
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3683.0 lumens
Efficiency: N/A
Efficacy: 133.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 7.98' x H: 0.21')
CIE Type: Semi-Direct

Input Watts (W): 27.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 4.5
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P895051
CATALOG NUMBER: 8TMB-4SL-RNDU-UNV-L940

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	114	114	114	114	109	109	109	109	100	100	100	91	91	91	83	83	83	83	83	83	80
1	102	96	91	86	97	92	87	83	84	80	76	76	73	70	69	67	65	65	65	65	61
2	92	82	75	68	87	79	72	66	72	66	61	65	61	57	60	56	53	53	53	53	49
3	83	72	63	56	79	69	61	54	63	56	51	57	52	47	52	48	44	44	44	44	41
4	76	63	54	47	72	60	52	45	55	48	43	51	45	40	46	41	37	37	37	37	34
5	69	56	47	40	66	54	45	39	49	42	37	45	39	34	41	36	32	32	32	32	29
6	64	50	41	35	61	48	40	34	44	37	32	41	35	30	37	32	28	28	28	28	26
7	59	46	37	30	56	44	35	30	40	33	28	37	31	26	34	29	25	25	25	25	23
8	55	41	33	27	52	40	32	26	37	30	25	34	28	24	31	26	22	22	22	22	20
9	51	38	30	24	49	36	29	23	34	27	22	31	25	21	29	24	20	20	20	20	18
10	48	35	27	22	46	34	26	21	31	25	20	29	23	19	27	22	18	18	18	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3107	3107	3107
5°	3109	2980	2982
10°	3086	2868	2844
15°	3048	2755	2716
20°	3001	2634	2586
25°	2942	2512	2455
30°	2865	2389	2339
35°	2786	2262	2253
40°	2700	2147	2176
45°	2607	2046	2107
50°	2511	1956	2053
55°	2400	1873	2007
60°	2274	1805	1972
65°	2120	1746	1952
70°	1927	1712	1946
75°	1665	1689	1954
80°	1349	1696	1985
85°	941	1750	2050

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2607 cd/sqm



TEST NUMBER: P895051
 CATALOG NUMBER: 8TMB-4SL-RNDU-UNV-L940

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.8	2.2
10°-20°	236.2	6.4
20°-30°	354.7	9.6
30°-40°	426.5	11.6
40°-50°	451.9	12.3
50°-60°	435.2	11.8
60°-70°	385.1	10.5
70°-80°	315.9	8.6
80°-90°	245.1	6.7
90°-100°	190.2	5.2
100°-110°	150.8	4.1
110°-120°	120.1	3.3
120°-130°	95.4	2.6
130°-140°	74.5	2.0
140°-150°	54.8	1.5
150°-160°	36.3	1.0
160°-170°	20.9	0.6
170°-180°	6.7	0.2
0°-30°	673.7	18.3
0°-40°	1100.2	29.9
0°-60°	1987.3	54.0
0°-90°	2933.4	79.6
90°-120°	461.1	12.5
90°-150°	685.8	18.6
90°-180°	750.0	20.4
0°-180°	3683.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	876	876	876	876	876	
5°	875	876	866	873	877	83
15°	836	836	832	844	848	236
25°	761	763	763	782	787	350
35°	655	663	671	706	720	409
45°	533	546	573	627	650	411
55°	402	422	478	549	578	360
65°	267	303	389	471	506	264
75°	133	200	310	397	434	143
85°	30	121	242	331	366	34
90°	1	95	214	300	334	2
95°	4	78	189	271	304	4
105°	15	63	149	222	251	16
115°	30	61	124	181	205	29
125°	43	63	108	149	168	39
135°	55	68	98	125	137	42
145°	58	67	88	108	114	37
155°	59	69	76	92	97	28
165°	70	74	72	72	81	20
175°	78	77	73	61	41	7
180°	68	68	68	68	68	



TEST NUMBER: P895051
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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	875.6	875.6	875.6	875.6	875.6	875.6	875.6	875.6	875.6	875.6	875.6
2.5°	877.3	876.5	878.1	879.8	884.8	878.1	881.5	872.3	873.1	874.0	869.8
5°	874.8	872.3	874.8	876.5	880.6	875.6	879.0	869.0	869.8	871.5	866.5
7.5°	869.0	866.5	868.1	869.8	874.0	869.0	873.1	863.1	864.8	865.6	861.5
10°	860.6	857.3	859.0	861.5	864.8	860.6	864.0	854.8	855.6	857.3	853.1
12.5°	849.8	846.5	848.1	849.8	854.0	849.8	853.1	844.0	845.6	847.3	843.1
15°	835.6	832.3	834.0	835.6	839.0	836.5	839.8	830.6	832.3	835.6	831.5
17.5°	820.7	815.7	817.3	819.8	823.2	821.5	824.0	816.5	817.3	820.7	816.5
20°	802.3	797.3	799.0	801.5	804.8	804.0	805.7	799.0	800.7	804.8	800.7
22.5°	782.3	777.3	779.0	782.3	784.8	784.8	785.7	780.7	782.3	786.5	783.2
25°	760.7	755.7	757.3	760.7	763.2	763.2	764.8	759.8	762.3	766.5	763.2
27.5°	735.7	733.2	733.2	736.5	738.2	739.8	740.7	736.5	739.8	744.0	741.5
30°	709.8	706.5	708.2	712.3	712.3	715.7	715.7	712.3	716.5	721.5	719.8
32.5°	682.3	679.8	680.7	685.7	685.7	689.8	689.0	687.3	691.5	697.3	695.7
35°	654.9	652.4	653.2	658.2	658.2	663.2	661.5	661.5	665.7	672.4	670.7
37.5°	625.7	624.0	624.9	629.9	629.9	634.9	633.2	634.0	639.0	646.5	645.7
40°	595.7	594.0	595.7	599.9	601.5	605.7	604.0	605.7	612.4	619.0	621.5
42.5°	564.9	564.0	565.7	569.9	571.5	575.7	574.9	577.4	584.0	594.0	597.4
45°	533.2	533.2	534.9	539.0	540.7	545.7	544.9	548.2	556.5	567.4	573.2
47.5°	501.6	502.4	503.2	508.2	508.2	516.6	514.1	519.1	529.9	542.4	549.0
50°	469.1	470.7	471.6	475.7	477.4	484.9	483.2	491.6	503.2	516.6	525.7
52.5°	436.6	438.2	439.9	443.2	444.9	454.1	452.4	463.2	477.4	491.6	501.6
55°	402.4	405.7	406.6	410.7	413.2	422.4	422.4	434.9	449.9	465.7	478.2
57.5°	369.1	372.4	373.3	378.2	381.6	392.4	394.1	408.2	424.9	440.7	455.7
60°	334.9	339.1	339.9	344.9	350.8	362.4	364.9	380.7	399.1	415.7	433.2
62.5°	300.8	304.9	306.6	311.6	320.8	332.4	336.6	354.9	374.1	392.4	411.6
65°	266.6	270.8	273.3	279.9	290.8	303.3	309.1	328.3	349.9	369.1	389.1
67.5°	232.4	237.4	240.8	249.1	263.3	276.6	282.4	304.1	326.6	347.4	368.3
70°	199.1	204.1	208.3	219.1	235.8	249.1	256.6	279.9	303.3	325.8	349.1
72.5°	166.6	171.6	177.5	190.8	209.1	224.1	232.4	256.6	282.4	304.9	329.1
75°	133.3	139.1	145.8	164.1	185.0	200.0	209.1	234.9	261.6	284.1	309.9
77.5°	103.3	109.1	119.1	137.5	160.8	177.5	187.5	215.0	242.4	264.9	291.6
80°	75.8	81.6	95.0	115.0	139.1	155.0	167.5	195.8	224.1	247.4	274.1
82.5°	51.7	57.5	73.3	95.0	120.8	136.6	148.3	178.3	206.6	230.8	257.4
85°	30.0	38.3	55.0	78.3	105.0	120.8	132.5	163.3	190.8	215.0	242.4
87.5°	13.3	23.3	41.7	65.0	91.6	106.6	119.1	147.5	176.6	200.8	228.3
90°	0.8	13.3	32.5	55.0	80.8	95.0	106.6	135.0	162.5	187.5	214.1
92.5°	1.7	9.2	26.7	47.5	71.7	85.8	97.5	124.1	150.0	175.8	201.6
95°	4.2	9.2	23.3	42.5	65.0	78.3	89.1	115.0	139.1	164.1	189.1
97.5°	6.7	10.0	22.5	40.0	60.0	72.5	82.5	106.6	130.8	153.3	178.3
100°	9.2	12.5	22.5	38.3	56.7	68.3	77.5	100.0	122.5	143.3	168.3
102.5°	11.7	15.0	24.2	38.3	55.0	65.0	74.2	95.0	115.8	135.0	158.3
105°	15.0	17.5	25.8	38.3	53.3	63.3	70.8	90.0	110.0	128.3	149.1
107.5°	18.3	20.0	27.5	39.2	53.3	61.7	69.2	86.6	105.0	121.6	141.6
110°	22.5	23.3	30.0	40.8	53.3	60.8	67.5	84.1	100.8	116.6	135.0



TEST NUMBER: P895051
 CATALOG NUMBER: 8TMB-4SL-RNDU-UNV-L940

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	25.8	25.8	32.5	42.5	53.3	60.8	66.7	81.6	97.5	111.6	129.1
115°	30.0	30.0	35.0	44.2	54.2	60.8	66.7	80.8	95.0	107.5	124.1
117.5°	33.3	33.3	38.3	45.8	55.8	61.7	66.7	79.1	92.5	104.1	119.1
120°	36.7	36.7	40.0	47.5	56.7	62.5	66.7	78.3	90.0	101.6	115.0
122.5°	40.0	40.0	42.5	50.0	57.5	62.5	66.7	77.5	88.3	98.3	110.8
125°	43.3	43.3	45.0	51.7	59.2	63.3	67.5	77.5	87.5	95.8	108.3
127.5°	46.7	45.8	48.3	54.2	60.0	64.2	68.3	77.5	85.8	94.1	105.0
130°	49.2	48.3	51.7	55.8	61.7	65.0	68.3	76.6	85.0	92.5	101.6
132.5°	52.5	50.8	55.0	56.7	63.3	66.7	69.2	76.6	84.1	90.8	100.0
135°	55.0	53.3	57.5	59.2	64.2	67.5	70.0	76.6	83.3	90.0	97.5
137.5°	56.7	55.8	60.0	61.7	65.0	68.3	70.8	76.6	82.5	88.3	95.8
140°	57.5	56.7	60.0	63.3	65.0	68.3	70.0	75.8	81.6	86.6	93.3
142.5°	58.3	58.3	60.8	64.2	65.0	67.5	70.0	75.0	80.0	84.1	91.6
145°	58.3	58.3	60.8	65.0	65.8	66.7	68.3	73.3	77.5	81.6	88.3
147.5°	58.3	58.3	61.7	65.0	66.7	67.5	66.7	71.7	75.8	79.1	85.0
150°	58.3	58.3	61.7	65.0	67.5	68.3	67.5	70.0	73.3	76.6	81.6
152.5°	59.2	59.2	61.7	65.0	67.5	68.3	68.3	68.3	70.8	74.2	79.1
155°	59.2	60.0	61.7	66.7	68.3	69.2	69.2	69.2	68.3	71.7	75.8
157.5°	61.7	62.5	63.3	67.5	69.2	70.0	70.0	70.0	69.2	68.3	72.5
160°	64.2	65.0	65.8	69.2	70.8	71.7	71.7	71.7	70.0	69.2	69.2
162.5°	66.7	68.3	68.3	70.0	71.7	72.5	72.5	73.3	71.7	70.8	70.0
165°	70.0	70.8	70.8	71.7	73.3	74.2	73.3	74.2	73.3	72.5	71.7
167.5°	72.5	73.3	73.3	74.2	74.2	75.0	75.0	75.0	74.2	73.3	73.3
170°	75.0	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.0	73.3	73.3
172.5°	76.6	77.5	77.5	76.6	76.6	76.6	76.6	75.8	74.2	73.3	73.3
175°	77.5	78.3	78.3	77.5	76.6	76.6	76.6	75.8	74.2	73.3	73.3
177.5°	78.3	79.1	78.3	78.3	76.6	76.6	76.6	76.6	75.0	74.2	73.3
180°	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	875.6	875.6	875.6	875.6	875.6	875.6	875.6	875.6	875.6	875.6
2.5°	874.8	864.8	871.5	872.3	875.6	872.3	874.8	872.3	879.0	876.5
5°	871.5	862.3	868.1	869.0	873.1	869.0	873.1	871.5	879.8	877.3
7.5°	865.6	858.1	863.1	864.0	869.0	864.8	869.0	867.3	877.3	874.0
10°	857.3	851.5	856.5	857.3	862.3	858.1	861.5	859.8	870.6	865.6
12.5°	848.1	843.1	847.3	848.1	854.0	849.8	854.0	852.3	863.1	858.1
15°	834.8	832.3	836.5	838.1	844.0	840.6	844.8	843.1	854.8	848.1
17.5°	821.5	819.8	824.0	825.7	832.3	828.1	832.3	830.6	842.3	835.6
20°	804.8	804.0	808.2	810.7	816.5	812.3	817.3	815.7	828.1	821.5
22.5°	787.3	787.3	790.7	793.2	799.0	795.7	800.7	799.8	812.3	805.7
25°	768.2	769.0	772.3	775.7	782.3	779.8	784.0	784.0	795.7	787.3
27.5°	746.5	750.7	753.2	757.3	763.2	760.7	764.8	765.7	777.3	769.0
30°	724.0	729.8	732.3	737.3	742.3	742.3	746.5	748.2	759.8	751.5
32.5°	700.7	707.3	710.7	717.3	724.0	724.0	729.8	732.3	744.0	736.5
35°	677.3	686.5	690.7	699.0	705.7	706.5	712.3	715.7	727.3	719.8
37.5°	654.9	666.5	670.7	680.7	686.5	688.2	694.8	699.0	709.8	703.2
40°	631.5	645.7	650.7	661.5	666.5	669.9	676.5	681.5	691.5	685.7
42.5°	609.0	624.9	629.9	641.5	647.4	650.7	657.4	664.0	674.0	668.2
45°	586.5	604.0	609.9	622.4	627.4	632.4	639.9	645.7	654.9	649.9
47.5°	564.9	583.2	589.0	602.4	608.2	614.0	620.7	629.0	637.4	632.4
50°	542.4	561.5	569.0	583.2	588.2	594.9	603.2	610.7	619.0	614.9
52.5°	520.7	540.7	548.2	563.2	569.0	575.7	584.0	592.4	599.9	596.5
55°	497.4	519.1	527.4	543.2	549.0	555.7	564.9	574.0	580.7	578.2
57.5°	475.7	498.2	506.6	524.1	529.0	537.4	546.5	556.5	562.4	559.9
60°	454.1	476.6	486.6	504.1	509.9	518.2	527.4	538.2	543.2	541.5
62.5°	432.4	455.7	466.6	484.9	489.9	499.1	509.9	519.1	524.1	523.2
65°	412.4	434.9	447.4	465.7	470.7	480.7	490.7	500.7	505.7	505.7
67.5°	391.6	415.7	428.2	447.4	451.6	462.4	473.2	483.2	487.4	487.4
70°	372.4	395.7	409.9	429.1	433.2	443.2	454.9	465.7	469.1	469.9
72.5°	353.3	376.6	391.6	411.6	415.7	425.7	436.6	448.2	450.7	451.6
75°	334.9	358.3	373.3	393.2	397.4	407.4	419.1	429.9	433.2	434.1
77.5°	316.6	339.9	356.6	375.7	379.9	389.9	401.6	412.4	414.9	416.6
80°	299.9	322.4	338.3	359.1	363.3	373.3	384.1	394.9	396.6	399.1
82.5°	283.3	305.8	322.4	342.4	346.6	356.6	367.4	378.2	379.9	383.2
85°	267.4	289.9	306.6	325.8	330.8	339.9	351.6	361.6	363.3	365.8
87.5°	253.3	274.1	291.6	309.9	314.9	324.1	335.8	345.8	346.6	349.9
90°	238.3	259.1	276.6	294.9	299.9	308.3	319.9	329.9	331.6	334.1
92.5°	225.8	244.9	263.3	280.8	284.9	294.1	304.9	314.9	316.6	319.1
95°	212.5	231.6	249.9	266.6	270.8	279.9	289.9	299.9	301.6	304.1
97.5°	200.8	219.1	236.6	253.3	257.4	265.8	276.6	285.8	287.4	290.8
100°	190.0	207.5	225.8	240.8	244.9	253.3	263.3	272.4	274.1	277.4
102.5°	180.0	196.6	214.1	228.3	233.3	240.8	250.8	259.1	260.8	263.3
105°	170.8	186.6	203.3	216.6	221.6	229.1	238.3	246.6	248.3	250.8
107.5°	161.6	176.6	192.5	205.8	210.0	216.6	225.8	234.1	235.8	239.1
110°	153.3	168.3	183.3	195.8	200.8	205.8	215.0	222.5	224.1	226.6



TEST NUMBER: P895051
 CATALOG NUMBER: 8TMB-4SL-RNDU-UNV-L940

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	145.8	159.1	174.1	185.8	190.0	195.8	203.3	210.8	212.5	215.8
115°	139.1	151.6	166.6	177.5	180.8	185.8	194.1	200.8	202.5	205.0
117.5°	133.3	144.1	157.5	168.3	172.5	176.6	184.1	190.0	192.5	194.1
120°	128.3	138.3	150.0	160.0	165.0	168.3	175.0	180.8	183.3	185.0
122.5°	123.3	132.5	143.3	152.5	156.6	159.1	166.6	171.6	174.1	176.6
125°	119.1	127.5	137.5	145.0	149.1	151.6	158.3	163.3	165.8	167.5
127.5°	115.0	122.5	132.5	138.3	142.5	144.1	150.0	155.0	157.5	158.3
130°	110.8	118.3	126.6	132.5	135.8	138.3	143.3	146.6	149.1	150.0
132.5°	107.5	114.1	121.6	127.5	130.8	131.6	136.6	140.0	142.5	143.3
135°	105.0	110.0	117.5	122.5	125.0	126.6	130.8	133.3	135.8	136.6
137.5°	101.6	106.6	113.3	116.6	120.0	120.8	125.0	127.5	130.0	130.8
140°	99.1	103.3	109.1	112.5	115.8	115.8	119.1	121.6	124.1	124.1
142.5°	96.6	100.8	105.8	109.1	111.6	111.6	115.0	116.6	119.1	119.1
145°	93.3	97.5	102.5	105.0	107.5	107.5	110.0	111.6	114.1	114.1
147.5°	90.0	94.1	99.1	100.8	103.3	103.3	105.8	107.5	109.1	109.1
150°	85.8	89.1	95.0	97.5	100.0	100.0	101.6	103.3	105.0	105.0
152.5°	82.5	85.0	90.0	93.3	95.8	95.8	97.5	99.1	100.8	100.8
155°	78.3	80.8	85.0	89.1	91.6	92.5	94.1	95.0	96.6	96.6
157.5°	75.0	77.5	80.8	84.1	86.6	88.3	90.8	91.6	92.5	92.5
160°	70.8	72.5	75.8	79.1	81.6	83.3	87.5	88.3	89.1	89.1
162.5°	69.2	69.2	70.8	73.3	75.8	76.6	80.8	84.1	85.8	85.0
165°	70.0	69.2	69.2	70.0	71.7	72.5	75.0	80.0	81.6	80.8
167.5°	71.7	70.0	69.2	69.2	70.8	70.8	73.3	77.5	82.5	80.8
170°	71.7	69.2	67.5	67.5	68.3	68.3	70.0	72.5	77.5	78.3
172.5°	70.8	69.2	66.7	63.3	64.2	63.3	62.5	64.2	65.0	73.3
175°	71.7	69.2	66.7	62.5	60.8	58.3	54.2	50.8	50.0	40.8
177.5°	70.8	68.3	65.0	61.7	60.0	56.7	51.7	45.8	42.5	37.5
180°	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5



TEST NUMBER: P895051
 CATALOG NUMBER: 8TMB-4SL-RNDU-UNV-L940

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	10.89	12.20	11.54	12.87	13.64	14.52	15.83	15.16	16.49	17.26
	3H	12.24	13.44	12.90	14.11	14.92	17.47	18.67	18.13	19.34	20.15
	4H	12.64	13.78	13.32	14.47	15.28	18.98	20.12	19.65	20.80	21.62
	6H	12.86	13.92	13.55	14.62	15.45	20.59	21.65	21.28	22.35	23.18
	8H	12.89	13.91	13.59	14.63	15.46	21.44	22.46	22.14	23.18	24.01
	12H	12.90	13.87	13.60	14.58	15.45	22.38	23.36	23.09	24.07	24.94
4H	2H	12.05	13.19	12.73	13.88	14.69	14.83	15.97	15.51	16.66	17.47
	3H	13.69	14.67	14.38	15.39	16.23	18.02	18.99	18.71	19.72	20.55
	4H	14.26	15.16	14.96	15.89	16.75	19.70	20.60	20.40	21.32	22.18
	6H	14.60	15.40	15.32	16.15	17.02	21.52	22.31	22.24	23.06	23.93
	8H	14.67	15.42	15.40	16.17	17.06	22.49	23.24	23.22	23.99	24.87
	12H	14.70	15.39	15.45	16.15	17.04	23.58	24.26	24.32	25.03	25.92
8H	4H	15.37	16.12	16.09	16.87	17.75	19.87	20.62	20.59	21.37	22.25
	6H	15.98	16.62	16.73	17.40	18.29	21.86	22.50	22.62	23.29	24.17
	8H	16.17	16.75	16.94	17.54	18.44	22.98	23.56	23.75	24.35	25.25
	12H	16.28	16.80	17.05	17.58	18.54	24.26	24.78	25.03	25.56	26.51
12H	4H	15.73	16.42	16.48	17.19	18.08	19.86	20.55	20.61	21.32	22.20
	6H	16.51	17.09	17.28	17.88	18.78	21.89	22.47	22.66	23.26	24.16
	8H	16.84	17.36	17.61	18.14	19.09	23.07	23.59	23.84	24.37	25.33