

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



Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P#

Luminaire Tested: **44ID-200-L830-CFD2**

Issue Date: 9/24/2021

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



**Test Information**

Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( 13890049.01)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/24/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 44ID-200-L830-CFD2  
Description: 20000 LUMEN 4X4 IN DEPTH LED LUMINAIRE, WITH DROPPED 2IN CUBE LENS  
AND 3000K CCT, 80CRI LEDS  
Light Source: -  
Ballast/Driver:  
Luminaire Equipment: Sample No.   Condition   Description

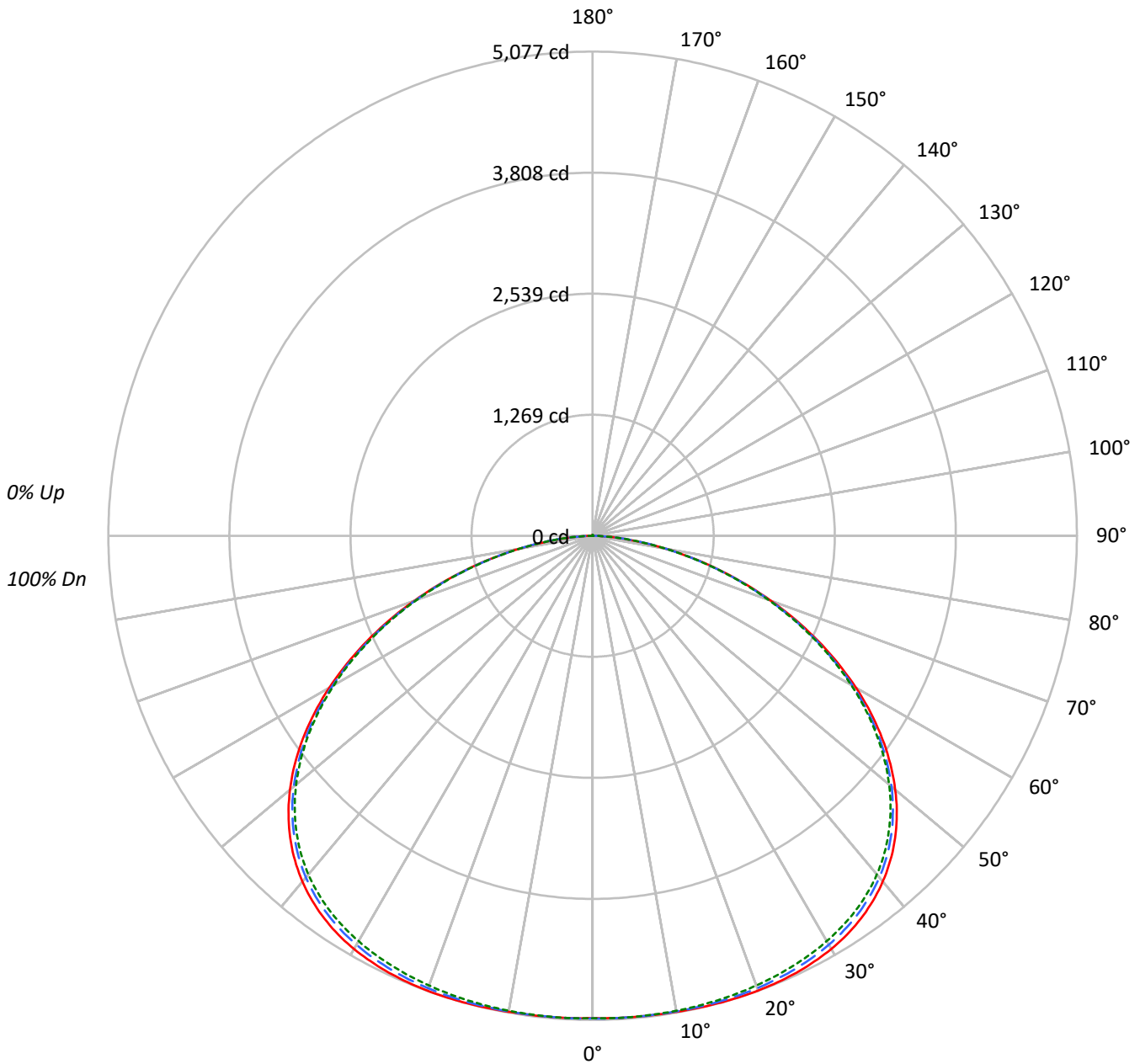
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18320.0 lumens  
Efficiency: N/A  
Efficacy: 111.6 lumens/watt  
Spacing Criteria (0/90/45): 1.48 / 1.45 / 1.57  
Luminous Opening: Rectangular w/ Sides (W: 3.88' x L: 3.88' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 164.2  
Input Voltage (V):  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

TEST NUMBER: P#  
CATALOG NUMBER: 44ID-200-L830-CFD2

### Luminous Intensity Polar Plot





TEST NUMBER: P#

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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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100								
1	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	82								
2	98	89	82	76	95	87	81	75	84	78	73	80	76	71	77	73	70	68								
3	89	78	69	62	86	76	68	62	73	66	60	70	64	59	67	63	58	56								
4	81	68	59	52	78	67	58	52	64	57	51	62	55	50	60	54	49	47								
5	74	61	51	44	72	59	51	44	57	49	43	55	48	43	53	47	42	40								
6	68	54	45	38	66	53	44	38	51	43	38	50	43	37	48	42	37	35								
7	63	49	40	33	61	48	39	33	46	39	33	45	38	33	43	37	32	30								
8	58	44	36	29	57	44	35	29	42	35	29	41	34	29	40	33	29	27								
9	54	41	32	26	53	40	32	26	39	31	26	38	31	26	37	30	26	24								
10	51	37	29	24	50	37	29	24	36	28	23	35	28	23	34	28	23	21								

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3612	3612	3612
5°	3616	3610	3615
10°	3647	3632	3638
15°	3709	3681	3686
20°	3796	3751	3754
25°	3903	3842	3842
30°	4024	3944	3948
35°	4147	4050	4062
40°	4257	4146	4170
45°	4340	4214	4250
50°	4376	4237	4287
55°	4347	4193	4262
60°	4238	4069	4161
65°	4033	3853	3968
70°	3714	3521	3657
75°	3242	3047	3207
80°	2573	2388	2554
85°	1599	1441	1635



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	483.4	2.6
10°-20°	1434.0	7.8
20°-30°	2318.1	12.7
30°-40°	3036.3	16.6
40°-50°	3415.3	18.6
50°-60°	3268.0	17.8
60°-70°	2548.8	13.9
70°-80°	1436.4	7.8
80°-90°	355.4	1.9
90°-100°	1.3	0.0
100°-110°	2.1	0.0
110°-120°	3.7	0.0
120°-130°	5.8	0.0
130°-140°	4.6	0.0
140°-150°	2.8	0.0
150°-160°	2.1	0.0
160°-170°	1.3	0.0
170°-180°	0.5	0.0
0°-30°	4235.6	23.1
0°-40°	7271.9	39.7
0°-60°	13955.1	76.2
0°-90°	18295.8	99.9
90°-120°	7.0	0.0
90°-150°	20.3	0.1
90°-180°	24.0	0.1
0°-180°	18320.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5060	5060	5060	5060	5060	
5°	5064	5066	5064	5064	5063	484
15°	5076	5074	5062	5051	5045	1439
25°	5054	5046	5015	4987	4976	2336
35°	4902	4886	4845	4815	4802	3069
45°	4483	4463	4428	4407	4391	3453
55°	3707	3687	3661	3645	3634	3304
65°	2608	2598	2578	2570	2566	2574
75°	1364	1364	1355	1352	1349	1445
85°	291	295	298	300	298	337
90°	3	3	3	3	3	14
95°	1	1	1	1	1	1
105°	2	2	2	2	2	2
115°	4	4	4	4	4	4
125°	7	7	7	7	7	6
135°	6	6	6	6	6	5
145°	5	4	5	4	4	3
155°	5	5	5	5	5	2
165°	5	5	4	5	5	1
175°	6	6	6	6	6	1
180°	5	5	5	5	5	



TEST NUMBER: P#

CATALOG NUMBER: 44ID-200-L830-CFD2

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5059.5	5059.5	5059.5	5059.5	5059.5
0.5°	5058.2	5061.9	5063.2	5061.9	5059.5
1°	5059.5	5061.9	5063.2	5063.2	5060.7
1.5°	5060.7	5063.2	5063.2	5063.2	5061.9
2°	5060.7	5063.2	5063.2	5064.4	5061.9
2.5°	5061.9	5064.4	5064.4	5064.4	5061.9
3°	5063.2	5064.4	5064.4	5064.4	5063.2
3.5°	5063.2	5064.4	5064.4	5064.4	5063.2
4°	5064.4	5064.4	5064.4	5064.4	5063.2
4.5°	5064.4	5065.6	5064.4	5064.4	5063.2
5°	5064.4	5065.6	5064.4	5064.4	5063.2
5.5°	5064.4	5065.6	5064.4	5064.4	5063.2
6°	5065.6	5065.6	5064.4	5064.4	5061.9
6.5°	5065.6	5066.9	5065.6	5064.4	5061.9
7°	5065.6	5066.9	5064.4	5064.4	5061.9
7.5°	5065.6	5066.9	5064.4	5063.2	5060.7
8°	5066.9	5066.9	5065.6	5063.2	5060.7
8.5°	5066.9	5068.1	5064.4	5063.2	5059.5
9°	5068.1	5068.1	5065.6	5061.9	5059.5
9.5°	5068.1	5069.3	5064.4	5061.9	5058.2
10°	5069.3	5069.3	5064.4	5060.7	5057.0
10.5°	5070.6	5070.6	5064.4	5060.7	5057.0
11°	5070.6	5070.6	5064.4	5059.5	5055.7
11.5°	5071.8	5071.8	5064.4	5058.2	5054.5
12°	5071.8	5071.8	5064.4	5058.2	5053.3
12.5°	5073.0	5071.8	5063.2	5057.0	5052.0
13°	5073.0	5071.8	5063.2	5055.7	5050.8
13.5°	5074.3	5073.0	5063.2	5054.5	5049.6
14°	5074.3	5073.0	5063.2	5053.3	5047.1
14.5°	5075.5	5073.0	5061.9	5052.0	5045.9
15°	5075.5	5074.3	5061.9	5050.8	5044.6
15.5°	5076.7	5074.3	5060.7	5048.3	5042.2
16°	5075.5	5074.3	5059.5	5047.1	5039.7
16.5°	5076.7	5074.3	5059.5	5044.6	5037.2
17°	5076.7	5073.0	5058.2	5042.2	5036.0
17.5°	5076.7	5073.0	5055.7	5040.9	5033.5
18°	5076.7	5073.0	5054.5	5038.5	5029.8
18.5°	5076.7	5071.8	5053.3	5036.0	5027.4
19°	5075.5	5071.8	5052.0	5033.5	5024.9
19.5°	5075.5	5070.6	5049.6	5029.8	5021.2
20°	5074.3	5069.3	5047.1	5027.4	5018.7
20.5°	5073.0	5068.1	5045.9	5024.9	5015.0
21°	5073.0	5066.9	5043.4	5021.2	5011.3



TEST NUMBER: P#

CATALOG NUMBER: 44ID-200-L830-CFD2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
22.5°	5068.1	5060.7	5034.8	5010.1	4999.0
23°	5065.6	5058.2	5031.1	5006.4	4995.3
23.5°	5063.2	5055.7	5027.4	5001.5	4990.3
24°	5060.7	5053.3	5023.7	4996.5	4985.4
24.5°	5058.2	5049.6	5020.0	4991.6	4980.5
25°	5054.5	5045.9	5015.0	4986.6	4975.5
25.5°	5050.8	5042.2	5010.1	4981.7	4969.4
26°	5047.1	5038.5	5005.2	4976.8	4964.4
26.5°	5043.4	5033.5	5000.2	4970.6	4958.3
27°	5038.5	5028.6	4994.0	4964.4	4952.1
27.5°	5033.5	5023.7	4987.9	4958.3	4945.9
28°	5028.6	5017.5	4981.7	4952.1	4939.8
28.5°	5022.4	5011.3	4975.5	4944.7	4932.3
29°	5016.3	5005.2	4968.1	4937.3	4924.9
29.5°	5010.1	4997.8	4960.7	4929.9	4916.3
30°	5002.7	4990.3	4952.1	4921.2	4907.7
30.5°	4995.3	4982.9	4943.5	4912.6	4900.3
31°	4986.6	4974.3	4934.8	4904.0	4890.4
31.5°	4979.2	4965.7	4924.9	4895.3	4881.8
32°	4969.4	4955.8	4916.3	4885.5	4871.9
32.5°	4959.5	4945.9	4905.2	4874.4	4860.8
33°	4949.6	4934.8	4894.1	4864.5	4849.7
33.5°	4938.5	4923.7	4883.0	4853.4	4838.6
34°	4926.2	4911.4	4870.6	4841.0	4827.5
34.5°	4913.8	4899.0	4858.3	4828.7	4815.1
35°	4901.5	4885.5	4844.7	4815.1	4801.5
35.5°	4887.9	4871.9	4831.2	4801.5	4788.0
36°	4874.4	4857.1	4816.4	4788.0	4773.2
36.5°	4858.3	4842.3	4801.5	4773.2	4759.6
37°	4842.3	4826.2	4785.5	4757.1	4743.5
37.5°	4826.2	4808.9	4769.5	4741.1	4726.3
38°	4808.9	4792.9	4752.2	4725.0	4710.2
38.5°	4791.7	4774.4	4733.7	4706.5	4693.0
39°	4773.2	4754.7	4715.2	4689.2	4674.4
39.5°	4753.4	4734.9	4696.7	4669.5	4655.9
40°	4732.4	4715.2	4675.7	4649.8	4636.2
40.5°	4712.7	4694.2	4654.7	4630.0	4615.2
41°	4690.5	4672.0	4633.7	4607.8	4593.0
41.5°	4667.0	4648.5	4610.3	4585.6	4570.8
42°	4643.6	4625.1	4586.8	4563.4	4547.3
42.5°	4618.9	4600.4	4562.1	4538.7	4523.9
43°	4594.2	4574.5	4537.5	4514.0	4499.2
43.5°	4568.3	4548.6	4511.6	4488.1	4473.3



TEST NUMBER: P#

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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
45°	4483.2	4463.4	4427.6	4406.7	4390.6
45.5°	4453.6	4432.6	4398.0	4377.0	4362.2
46°	4422.7	4401.7	4367.2	4346.2	4331.4
46.5°	4390.6	4369.6	4336.3	4315.3	4300.5
47°	4357.3	4337.6	4303.0	4284.5	4268.4
47.5°	4324.0	4303.0	4269.7	4251.2	4235.1
48°	4290.7	4268.4	4236.4	4216.6	4200.6
48.5°	4254.9	4233.9	4201.8	4183.3	4168.5
49°	4216.6	4196.9	4164.8	4145.0	4131.5
49.5°	4179.6	4159.9	4127.8	4109.3	4094.5
50°	4141.3	4120.4	4090.8	4072.2	4057.4
50.5°	4101.9	4080.9	4051.3	4032.8	4019.2
51°	4062.4	4041.4	4011.8	3993.3	3978.5
51.5°	4020.4	3999.4	3969.8	3952.5	3939.0
52°	3978.5	3957.5	3927.9	3911.8	3898.2
52.5°	3936.5	3915.5	3885.9	3868.6	3856.3
53°	3890.8	3871.1	3843.9	3827.9	3814.3
53.5°	3845.2	3825.4	3798.3	3782.2	3769.9
54°	3799.5	3779.8	3752.6	3736.6	3725.5
54.5°	3755.1	3734.1	3708.2	3692.2	3681.1
55°	3707.0	3687.2	3661.3	3645.3	3634.2
55.5°	3658.8	3639.1	3613.2	3597.1	3587.3
56°	3608.3	3589.7	3563.8	3550.3	3540.4
56.5°	3557.7	3540.4	3514.5	3500.9	3491.0
57°	3508.3	3489.8	3465.1	3452.8	3442.9
57.5°	3458.9	3439.2	3414.5	3402.2	3392.3
58°	3404.6	3386.1	3362.7	3350.3	3341.7
58.5°	3351.6	3334.3	3309.6	3298.5	3289.9
59°	3298.5	3281.2	3257.8	3246.7	3238.0
59.5°	3243.0	3226.9	3203.5	3192.4	3183.8
60°	3188.7	3171.4	3149.2	3139.3	3130.7
60.5°	3133.2	3118.3	3094.9	3085.0	3076.4
61°	3076.4	3061.6	3039.4	3029.5	3020.9
61.5°	3018.4	3006.1	2983.8	2974.0	2966.6
62°	2961.6	2949.3	2927.1	2918.4	2911.0
62.5°	2903.6	2891.3	2869.1	2860.4	2853.0
63°	2845.6	2833.3	2812.3	2803.7	2796.3
63.5°	2786.4	2774.1	2754.3	2745.7	2738.3
64°	2727.2	2714.8	2693.8	2687.7	2679.0
64.5°	2667.9	2655.6	2634.6	2628.4	2621.0
65°	2607.5	2597.6	2577.9	2570.4	2565.5
65.5°	2548.2	2535.9	2517.4	2511.2	2503.8
66°	2485.3	2475.4	2456.9	2450.7	2445.8





TEST NUMBER: P#

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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	2302.7	2291.6	2275.5	2269.3	2263.2
68°	2239.7	2229.9	2213.8	2208.9	2202.7
68.5°	2176.8	2166.9	2150.9	2147.2	2143.5
69°	2113.9	2104.0	2090.4	2086.7	2081.8
69.5°	2052.2	2042.3	2030.0	2026.2	2020.1
70°	1989.2	1980.6	1968.3	1964.5	1958.4
70.5°	1926.3	1917.7	1906.5	1902.8	1896.7
71°	1863.4	1856.0	1846.1	1841.1	1835.0
71.5°	1801.7	1794.3	1783.1	1779.4	1774.5
72°	1738.7	1732.6	1721.4	1719.0	1712.8
72.5°	1675.8	1670.9	1659.7	1657.3	1652.3
73°	1612.9	1607.9	1596.8	1594.3	1590.6
73.5°	1551.2	1546.2	1536.3	1532.6	1528.9
74°	1489.5	1485.8	1475.9	1473.4	1468.5
74.5°	1426.5	1424.1	1415.4	1411.7	1408.0
75°	1363.6	1363.6	1354.9	1352.5	1348.8
75.5°	1303.1	1303.1	1294.5	1292.0	1288.3
76°	1242.7	1242.7	1234.0	1231.7	1226.7
76.5°	1181.6	1182.1	1174.8	1172.2	1168.1
77°	1123.1	1123.6	1117.0	1113.7	1109.6
77.5°	1060.5	1063.5	1058.0	1055.1	1051.0
78°	1002.1	1005.8	1000.3	997.9	994.5
78.5°	947.1	949.4	945.9	943.0	938.2
79°	889.5	891.3	889.0	886.5	881.8
79.5°	832.7	835.8	834.2	832.0	826.5
80°	778.3	780.5	780.9	777.6	772.5
80.5°	721.0	725.6	726.3	723.0	720.4
81°	668.1	672.4	673.6	671.7	668.2
81.5°	616.0	621.1	622.2	621.1	616.6
82°	563.8	570.0	571.8	571.0	566.0
82.5°	514.0	520.9	522.9	522.1	517.5
83°	465.6	473.1	475.0	475.6	471.4
83.5°	418.8	426.0	428.3	429.1	424.5
84°	373.9	380.3	383.3	384.5	380.7
84.5°	331.2	336.4	340.0	341.6	339.7
85°	291.0	294.7	298.0	300.2	297.6
85.5°	252.0	254.9	257.4	260.9	258.8
86°	215.7	218.7	220.4	223.1	223.1
86.5°	181.2	182.5	183.9	187.1	187.1
87°	148.1	148.2	148.7	152.8	152.9
87.5°	114.3	115.3	115.8	119.3	120.6
88°	80.6	83.4	84.2	87.5	87.2
88.5°	57.0	57.0	56.9	60.2	61.0



TEST NUMBER: P#

CATALOG NUMBER: 44ID-200-L830-CFD2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	2.7	2.6	2.7	2.8	2.6
90.5°	0.9	0.7	0.9	1.0	0.9
91°	0.9	0.7	0.7	0.9	0.7
91.5°	1.1	0.9	1.0	0.7	0.6
92°	0.9	0.9	0.9	1.0	0.9
92.5°	1.0	0.9	0.9	1.0	0.9
93°	1.0	1.0	1.0	0.9	0.7
93.5°	1.1	0.9	1.0	1.0	1.1
94°	1.1	1.0	1.1	1.0	1.2
94.5°	1.1	1.1	1.0	1.1	1.1
95°	1.1	0.9	1.1	1.0	1.2
95.5°	1.0	1.1	1.2	1.1	1.2
96°	1.4	1.4	1.1	1.1	1.2
96.5°	1.4	1.2	1.2	1.1	1.2
97°	1.4	1.2	1.4	1.1	1.5
97.5°	1.5	1.2	1.2	1.1	1.5
98°	1.6	1.4	1.4	1.4	1.6
98.5°	1.6	1.4	1.2	1.2	1.5
99°	1.5	1.5	1.4	1.2	1.4
99.5°	1.6	1.2	1.5	1.4	1.4
100°	1.6	1.5	1.5	1.5	1.6
100.5°	1.6	1.6	1.5	1.6	1.6
101°	1.7	1.5	1.5	1.5	1.5
101.5°	1.9	1.5	1.6	1.6	1.7
102°	2.0	1.6	1.7	1.6	1.7
102.5°	1.7	1.6	1.6	1.7	1.7
103°	1.7	1.5	1.7	1.6	1.7
103.5°	1.9	1.9	1.7	1.7	1.6
104°	2.1	1.9	1.9	1.7	1.6
104.5°	1.9	2.0	2.0	2.0	1.7
105°	2.2	2.0	1.9	2.1	2.1
105.5°	2.1	1.7	2.0	1.9	1.9
106°	2.0	2.0	2.1	2.1	2.2
106.5°	2.2	2.0	2.1	2.0	1.9
107°	2.1	2.1	2.2	2.2	2.0
107.5°	2.3	2.1	2.2	2.3	2.2
108°	2.3	2.1	2.0	2.3	2.1
108.5°	2.3	2.3	2.3	2.2	2.1
109°	2.5	2.3	2.3	2.3	2.5
109.5°	2.6	2.2	2.6	2.5	2.2
110°	2.5	2.5	2.5	2.6	2.5
110.5°	2.6	2.5	2.6	2.6	2.7
111°	2.6	2.7	2.7	2.7	2.6



TEST NUMBER: P#

CATALOG NUMBER: 44ID-200-L830-CFD2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	3.0	3.1	3.2	3.1	2.8
113°	3.3	3.0	3.0	3.1	3.1
113.5°	3.3	3.3	3.3	3.5	3.5
114°	3.5	3.5	3.6	3.6	3.5
114.5°	3.7	3.7	3.6	3.6	3.3
115°	3.7	3.7	3.6	3.7	3.6
115.5°	4.1	3.7	3.9	3.8	3.6
116°	3.9	4.1	4.1	3.9	3.8
116.5°	4.2	4.2	4.2	4.2	4.1
117°	4.4	4.4	4.4	4.4	3.9
117.5°	4.7	4.4	4.6	4.4	4.2
118°	4.7	4.6	4.8	4.6	4.3
118.5°	5.1	4.8	4.8	4.7	4.6
119°	5.1	5.1	5.2	4.8	4.8
119.5°	5.2	5.2	5.2	5.1	4.9
120°	5.4	5.4	5.3	5.2	5.3
120.5°	5.6	5.3	5.6	5.4	5.3
121°	5.6	5.6	5.6	5.6	5.3
121.5°	6.2	5.9	5.8	5.6	5.6
122°	5.8	6.2	5.9	5.8	5.9
122.5°	6.3	6.2	6.0	6.0	5.8
123°	6.4	6.4	6.2	6.2	6.0
123.5°	6.4	6.7	6.3	6.0	6.3
124°	6.5	6.7	6.5	6.3	6.3
124.5°	6.9	6.7	6.5	6.4	6.4
125°	7.2	6.9	6.8	6.7	6.7
125.5°	7.2	7.0	6.8	6.7	6.8
126°	7.2	6.9	6.8	6.8	6.7
126.5°	6.9	7.0	7.2	6.8	6.9
127°	7.2	7.2	6.9	6.8	6.7
127.5°	7.4	7.3	7.2	6.8	6.7
128°	7.4	7.0	7.0	6.8	6.9
128.5°	7.2	7.2	6.9	6.7	6.9
129°	7.0	7.0	6.9	6.8	6.7
129.5°	6.9	7.0	6.9	6.8	6.8
130°	6.9	7.0	6.8	6.5	6.7
130.5°	7.2	6.9	6.9	6.3	6.7
131°	6.8	6.8	6.8	6.4	6.5
131.5°	6.9	6.7	6.4	6.3	6.4
132°	6.8	6.5	6.5	6.3	6.3
132.5°	6.8	6.5	6.4	6.3	6.4
133°	6.5	6.3	6.3	5.9	6.2
133.5°	6.7	6.3	6.0	5.8	6.2



TEST NUMBER: P#

CATALOG NUMBER: 44ID-200-L830-CFD2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
135°	6.4	6.0	5.8	5.7	6.2
135.5°	6.0	6.2	5.8	5.6	5.9
136°	5.9	5.8	5.6	5.3	5.9
136.5°	6.0	5.8	5.6	5.3	5.8
137°	5.9	5.7	5.6	5.3	5.7
137.5°	5.8	5.6	5.4	5.1	5.4
138°	5.7	5.4	5.2	5.1	5.4
138.5°	5.8	5.4	5.3	4.9	5.3
139°	5.1	5.3	5.2	4.7	5.4
139.5°	5.4	5.1	4.9	4.8	5.3
140°	5.3	4.9	5.1	4.7	4.9
140.5°	5.3	4.9	4.9	4.7	4.9
141°	5.1	4.9	4.8	4.4	4.7
141.5°	4.7	4.9	4.9	4.4	4.7
142°	4.6	4.6	4.8	4.6	4.3
142.5°	4.6	4.8	4.7	4.4	4.3
143°	4.8	4.7	4.7	4.6	4.3
143.5°	4.8	4.7	4.7	4.3	4.3
144°	4.8	4.4	4.8	4.2	4.4
144.5°	4.6	4.4	4.6	4.3	4.4
145°	4.7	4.4	4.6	4.1	4.4
145.5°	4.6	4.3	4.4	4.1	4.7
146°	4.6	4.3	4.2	4.1	4.4
146.5°	4.7	4.3	4.2	4.1	4.4
147°	4.6	4.3	4.1	4.2	4.2
147.5°	4.4	4.3	4.1	4.2	4.6
148°	4.6	4.3	4.2	4.1	4.6
148.5°	4.7	4.4	4.2	4.1	4.6
149°	4.6	4.3	4.2	4.1	4.6
149.5°	4.8	4.2	4.2	4.1	4.7
150°	4.7	4.4	4.2	4.1	4.6
150.5°	4.6	4.3	4.2	4.2	4.6
151°	4.8	4.3	4.1	4.2	4.8
151.5°	4.7	4.4	4.1	4.2	4.8
152°	4.8	4.4	4.3	4.4	4.6
152.5°	4.8	4.6	4.2	4.3	4.8
153°	4.7	4.4	4.3	4.6	4.9
153.5°	5.1	4.6	4.2	4.4	4.8
154°	4.8	4.6	4.4	4.4	4.8
154.5°	4.8	4.4	4.4	4.7	4.9
155°	4.6	4.6	4.6	4.7	5.1
155.5°	4.8	4.4	4.4	4.6	4.9
156°	4.6	4.6	4.6	4.6	4.9



TEST NUMBER: P#

CATALOG NUMBER: 44ID-200-L830-CFD2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
157.5°	4.6	4.3	4.4	4.7	4.8
158°	4.9	4.6	4.4	4.6	4.9
158.5°	4.7	4.6	4.3	4.6	4.8
159°	4.8	4.6	4.4	4.6	5.1
159.5°	4.7	4.4	4.4	4.6	5.2
160°	4.7	4.6	4.3	4.6	4.9
160.5°	4.6	4.4	4.4	4.7	4.9
161°	4.6	4.4	4.4	4.7	4.9
161.5°	4.7	4.6	4.4	4.4	4.7
162°	4.6	4.4	4.6	4.7	4.7
162.5°	4.8	4.7	4.6	4.6	4.8
163°	4.8	4.6	4.7	4.7	4.7
163.5°	4.7	4.6	4.7	4.7	5.1
164°	4.6	4.7	4.6	4.9	4.9
164.5°	4.4	4.8	4.7	4.9	5.1
165°	4.6	4.6	4.4	4.8	4.9
165.5°	4.3	4.6	4.4	5.2	4.9
166°	4.7	4.7	4.6	4.9	4.8
166.5°	4.7	4.6	4.4	5.1	4.6
167°	4.6	4.9	4.6	5.2	5.1
167.5°	4.7	4.9	4.7	5.3	5.1
168°	4.8	4.8	4.6	5.2	4.9
168.5°	4.7	5.1	4.8	5.6	5.1
169°	5.1	4.9	4.6	5.6	5.1
169.5°	4.9	4.9	4.7	5.4	5.2
170°	5.1	4.9	4.8	5.6	5.1
170.5°	5.1	5.2	4.8	5.6	5.3
171°	5.1	5.1	5.1	5.6	5.4
171.5°	4.9	5.1	5.1	5.7	5.2
172°	4.9	5.1	5.2	5.7	5.3
172.5°	5.2	5.2	5.3	5.7	5.3
173°	4.9	4.9	5.3	5.7	5.4
173.5°	5.3	5.2	5.4	5.6	5.6
174°	5.4	5.4	5.8	5.7	5.4
174.5°	5.4	5.7	5.7	5.9	5.7
175°	5.8	5.7	5.8	5.9	5.6
175.5°	5.8	5.7	6.0	5.8	5.8
176°	6.0	5.9	5.8	5.7	5.7
176.5°	6.2	5.8	5.9	5.4	5.7
177°	5.9	5.8	5.6	5.4	5.7
177.5°	6.0	5.8	5.4	5.3	5.8
178°	5.7	5.6	5.3	5.3	5.4
178.5°	5.6	5.4	5.2	5.2	5.2



TEST NUMBER: P#

CATALOG NUMBER: 44ID-200-L830-CFD2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	4.8	4.8	4.8	4.8	4.8



Report Generated By 670246072 / DESKTOP-MV3F9LC







— 0°-180°    - - 45°-225°    - - - - 90°-270°







21.5°	5071.8	5065.6	5040.9	5017.5	5007.6
22°	5069.3	5063.2	5037.2	5013.8	5003.9



44°	4539.9	4521.4	4484.4	4462.2	4447.4
44.5°	4511.6	4491.8	4457.3	4433.8	4419.0



66.5°	2424.8	2415.0	2396.5	2390.3	2384.1
67°	2364.4	2353.3	2336.0	2329.8	2324.9



89°	36.0	35.4	35.0	36.9	37.4
89.5°	15.9	16.2	15.8	16.9	16.7



111.5°	3.1	2.7	2.8	2.8	2.7
112°	3.1	2.8	2.8	2.8	3.1





134°	6.3	6.2	6.0	5.9	6.3
134.5°	6.4	6.0	6.0	5.7	5.9



156.5°	4.8	4.4	4.6	4.7	4.8
157°	4.7	4.4	4.6	4.6	4.8



179°	5.3	5.2	4.9	5.1	5.3
179.5°	4.7	4.9	4.8	4.7	5.1





TEST NUMBER: P#  
 CATALOG NUMBER: 44ID-200-L830-CFD2

**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	17.53	19.23	17.90	19.55	19.86	17.44	19.14	17.81	19.46	19.78
	3H	19.33	20.87	19.71	21.20	21.56	19.24	20.78	19.62	21.11	21.47
	4H	19.95	21.41	20.35	21.76	22.13	19.87	21.32	20.27	21.67	22.05
	6H	20.37	21.71	20.78	22.08	22.47	20.28	21.63	20.70	22.00	22.39
	8H	20.47	21.76	20.90	22.15	22.55	20.39	21.68	20.82	22.08	22.48
	12H	20.50	21.74	20.93	22.12	22.56	20.43	21.67	20.86	22.05	22.48
4H	2H	18.16	19.61	18.56	19.96	20.34	18.09	19.54	18.49	19.89	20.27
	3H	20.16	21.38	20.57	21.78	22.18	20.09	21.31	20.50	21.71	22.11
	4H	20.90	22.01	21.33	22.42	22.86	20.83	21.94	21.26	22.35	22.79
	6H	21.42	22.39	21.87	22.83	23.29	21.35	22.32	21.81	22.77	23.22
	8H	21.56	22.47	22.02	22.91	23.38	21.50	22.41	21.96	22.85	23.32
	12H	21.63	22.45	22.11	22.93	23.40	21.57	22.39	22.05	22.87	23.34
8H	4H	21.18	22.09	21.64	22.53	23.00	21.11	22.02	21.58	22.47	22.93
	6H	21.79	22.55	22.28	23.04	23.51	21.73	22.49	22.23	22.98	23.45
	8H	21.98	22.66	22.49	23.17	23.66	21.93	22.61	22.44	23.12	23.60
	12H	22.10	22.70	22.61	23.19	23.75	22.05	22.65	22.56	23.14	23.71
12H	4H	21.20	22.02	21.68	22.50	22.97	21.14	21.96	21.62	22.44	22.91
	6H	21.83	22.51	22.33	23.01	23.50	21.77	22.45	22.28	22.96	23.44
	8H	22.06	22.66	22.57	23.16	23.72	22.01	22.61	22.52	23.10	23.67