

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: PORTFOLIO

Report Number: P799846

Luminaire Tested: **LD6C55D010 EU6559030 6LBMDDWLI**

Issue Date: 4/12/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P799846  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/12/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C55D010 EU6559030 6LBMDDWLI  
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

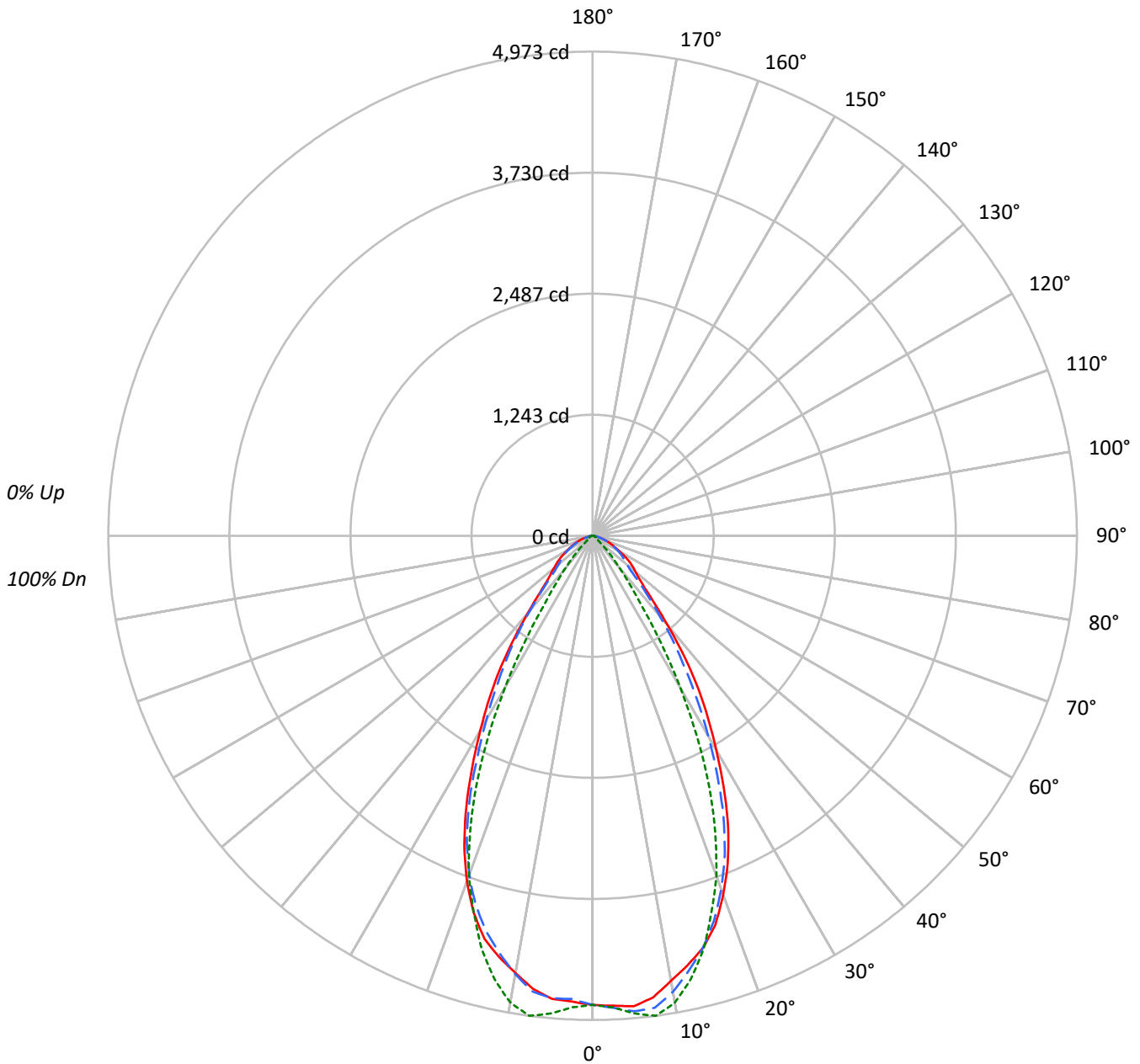
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4906.0 lumens  
Efficiency: N/A  
Efficacy: 76.8 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 63.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

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### 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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100								
1	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91								
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83								
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76								
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70								
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64								
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59								
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55								
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51								
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48								
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45								

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

	0°	90°	180°
0°	264178	264178	264178
5°	266943	270988	262761
10°	258295	270981	253792
15°	248594	249570	243310
20°	228797	216786	220216
25°	199118	170949	185478
30°	160594	113581	145693
35°	124504	58564	109413
40°	85424	30350	73674
45°	58533	15203	51688
50°	48706	6482	44314
55°	43812	5620	39588
60°	34668	5372	33057
65°	28615	4774	28304
70°	23177	4328	23177
75°	17135	4681	18173
80°	10071	3883	10828
85°	7737	4655	7737



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	458.7	9.4
10°-20°	1204.0	24.5
20°-30°	1374.3	28.0
30°-40°	911.4	18.6
40°-50°	439.6	9.0
50°-60°	270.4	5.5
60°-70°	163.6	3.3
70°-80°	68.8	1.4
80°-90°	15.2	0.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3037.0	61.9
0°-40°	3948.4	80.5
0°-60°	4658.3	95.0
0°-90°	4906.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4906.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	4819	4819	4819	4819	4819	
5°	4851	4902	4924	4768	4775	456
15°	4380	4380	4397	4211	4287	1221
25°	3292	3182	2826	2990	3066	1493
35°	1860	1640	875	1530	1635	1151
45°	755	662	196	618	667	616
55°	458	373	59	373	414	403
65°	221	211	37	198	218	222
75°	81	81	22	76	86	86
85°	12	17	7	12	12	16
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	4819.0	4819.0	4819.0	4819.0	4819.0	4819.0	4819.0	4819.0	4819.0
2.5°	4831.2	4838.6	4853.3	4855.8	4848.4	4801.8	4762.6	4777.3	4789.6
5°	4850.9	4865.6	4902.3	4936.6	4924.4	4845.9	4767.5	4765.1	4774.9
7.5°	4779.8	4814.1	4890.1	4975.9	4973.4	4838.6	4723.4	4694.0	4694.0
10°	4640.1	4671.9	4755.3	4870.5	4868.0	4698.9	4571.4	4556.7	4559.2
12.5°	4515.0	4529.7	4571.4	4662.1	4662.1	4495.4	4397.4	4412.1	4431.7
15°	4380.2	4390.0	4380.2	4409.6	4397.4	4260.1	4211.1	4257.7	4287.1
17.5°	4189.0	4193.9	4142.5	4103.2	4056.7	3970.9	3983.1	4051.8	4059.1
20°	3921.9	3953.7	3860.6	3760.1	3716.0	3635.1	3703.7	3779.7	3774.8
22.5°	3627.7	3664.5	3544.4	3377.7	3287.0	3255.1	3377.7	3446.3	3443.9
25°	3291.9	3318.9	3181.6	2948.7	2826.2	2821.3	2990.4	3061.5	3066.4
27.5°	2914.4	2924.2	2769.8	2465.9	2313.9	2350.7	2563.9	2662.0	2674.2
30°	2537.0	2532.1	2372.7	1995.2	1794.3	1894.7	2181.5	2289.4	2301.6
32.5°	2191.3	2176.6	1995.2	1544.2	1304.0	1453.5	1831.0	1943.8	1963.4
35°	1860.4	1835.9	1639.8	1142.2	875.1	1098.1	1529.5	1627.6	1634.9
37.5°	1514.8	1502.6	1348.1	855.5	610.3	833.4	1247.6	1318.7	1311.4
40°	1193.7	1193.7	1066.3	634.9	424.1	620.1	987.8	1051.5	1029.5
42.5°	936.3	948.6	840.7	468.2	301.5	460.8	781.9	840.7	816.2
45°	755.0	755.0	661.8	348.1	196.1	343.2	617.7	671.6	666.7
47.5°	639.8	629.9	536.8	254.9	107.9	257.4	519.6	585.8	583.4
50°	571.1	556.4	460.8	201.0	76.0	213.3	455.9	517.2	519.6
52.5°	517.2	495.1	414.2	178.9	66.2	186.3	414.2	463.3	463.3
55°	458.4	446.1	372.6	159.3	58.8	166.7	372.6	416.7	414.2
57.5°	387.3	384.8	333.4	144.6	53.9	147.1	333.4	360.3	350.5
60°	316.2	326.0	289.2	129.9	49.0	132.4	284.3	306.4	301.5
62.5°	264.7	277.0	252.5	115.2	41.7	117.7	240.2	262.3	257.4
65°	220.6	230.4	210.8	98.0	36.8	98.0	198.5	218.2	218.2
67.5°	181.4	188.7	174.0	80.9	31.9	80.9	161.8	178.9	181.4
70°	144.6	149.5	137.3	63.7	27.0	66.2	127.5	144.6	144.6
72.5°	112.8	115.2	107.9	51.5	24.5	51.5	98.0	112.8	112.8
75°	80.9	85.8	80.9	39.2	22.1	39.2	76.0	83.3	85.8
77.5°	46.6	58.8	58.8	31.9	17.2	29.4	53.9	56.4	56.4
80°	31.9	36.8	41.7	22.1	12.3	22.1	34.3	36.8	34.3
82.5°	22.1	24.5	24.5	14.7	9.8	14.7	22.1	24.5	22.1
85°	12.3	17.2	17.2	12.3	7.4	9.8	12.3	14.7	12.3
87.5°	7.4	9.8	12.3	9.8	7.4	7.4	7.4	7.4	4.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG







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







(END OF REPORT)