

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: P799865

Luminaire Tested: **LD6C55D010 EU6559035 6LBMDSWMW**

Issue Date: 4/12/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P799865  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/12/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C55D010 EU6559035 6LBMDSWMW  
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH MW FINISH  
Light Source: -  
Ballast/Driver: -

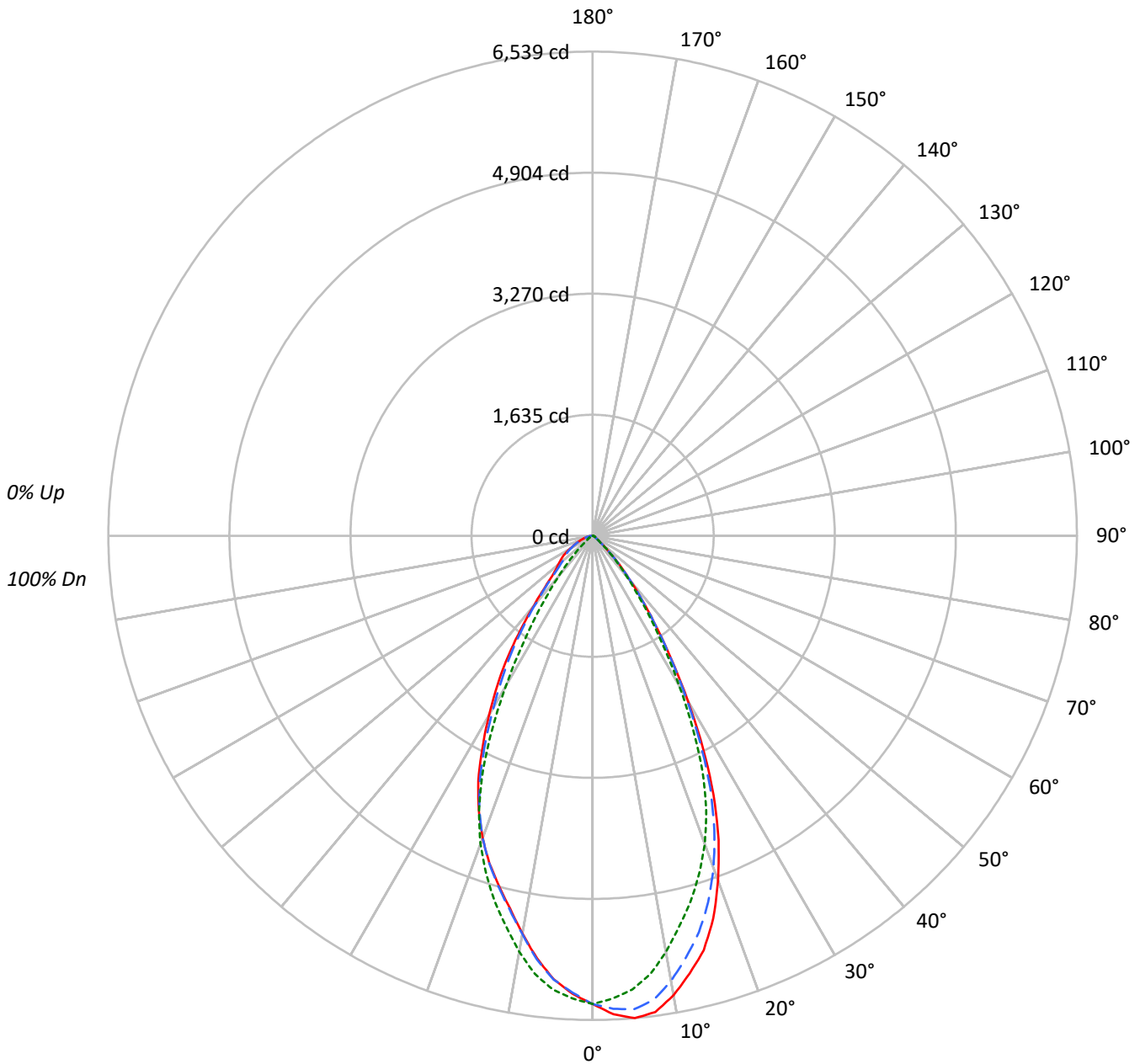
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5444.0 lumens  
Efficiency: N/A  
Efficacy: 85.2 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83  
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	100	100	100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92	92	92	92
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85	85	85	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78	78	78	78
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73	73	73	73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67	67	67	67
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63	63	63	63
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59	59	59	59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55	55	55	55
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52	52	52	52
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49	49	49	49

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

	0°	90°	180°
0°	346633	346633	346633
5°	359816	338503	330849
10°	350617	317512	303546
15°	328827	290127	277584
20°	288676	258282	253346
25°	233475	212190	220936
30°	162316	147808	176818
35°	100043	90547	133451
40°	56613	50752	88623
45°	27491	26228	60487
50°	10473	10473	51418
55°	5735	6776	47454
60°	4188	5383	38878
65°	3541	4605	31845
70°	3061	3943	26238
75°	2881	4046	22536
80°	1736	3441	16353
85°	1698	6856	15473



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	578.9	10.6
10°-20°	1454.9	26.7
20°-30°	1637.8	30.1
30°-40°	1014.2	18.6
40°-50°	403.9	7.4
50°-60°	183.9	3.4
60°-70°	105.7	1.9
70°-80°	50.2	0.9
80°-90°	14.6	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°	3671.6	67.4
0°-40°	4685.7	86.1
0°-60°	5273.5	96.9
0°-90°	5444.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5444.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	6323	6323	6323	6323	6323	
5°	6539	6419	6151	6018	6012	616
15°	5794	5543	5112	4905	4891	1603
25°	3860	3756	3508	3595	3653	1735
35°	1495	1487	1353	1885	1994	961
45°	355	355	338	736	780	300
55°	60	57	71	436	496	60
65°	27	25	36	243	246	27
75°	14	14	19	104	106	14
85°	3	3	11	25	25	2
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°	6323.1	6323.1	6323.1	6323.1	6323.1	6323.1	6323.1	6323.1	6323.1
2.5°	6467.7	6407.7	6394.1	6342.2	6254.9	6205.8	6175.8	6154.0	6192.2
5°	6538.6	6473.2	6418.6	6312.2	6151.3	6061.3	6017.6	5982.2	6012.2
7.5°	6486.8	6394.1	6320.4	6173.1	5968.5	5829.4	5769.4	5728.5	5755.7
10°	6298.6	6186.7	6102.2	5927.6	5703.9	5537.5	5463.9	5425.7	5453.0
12.5°	6053.1	5960.3	5832.1	5641.2	5401.1	5226.5	5172.0	5142.0	5152.9
15°	5793.9	5684.8	5543.0	5352.0	5112.0	4937.4	4904.7	4885.6	4891.0
17.5°	5417.5	5311.1	5188.4	5002.9	4781.9	4640.1	4640.1	4626.4	4634.6
20°	4948.3	4891.0	4771.0	4615.5	4427.3	4299.1	4340.0	4326.4	4342.7
22.5°	4440.9	4397.3	4293.6	4165.4	4007.2	3906.3	3996.3	3993.6	4015.4
25°	3859.9	3827.2	3756.2	3647.1	3508.0	3445.3	3595.3	3595.3	3652.6
27.5°	3218.9	3186.1	3137.0	3044.3	2929.7	2910.6	3131.6	3158.8	3221.6
30°	2564.2	2542.3	2515.1	2430.5	2335.0	2370.5	2676.0	2722.4	2793.3
32.5°	1980.4	1966.8	1958.6	1882.2	1797.6	1914.9	2264.1	2324.1	2395.0
35°	1494.9	1464.9	1486.7	1429.4	1353.0	1500.3	1884.9	1936.8	1994.1
37.5°	1102.0	1080.2	1099.3	1058.4	990.2	1151.1	1514.0	1546.7	1584.9
40°	791.1	772.0	788.3	763.8	709.2	859.3	1186.6	1222.1	1238.4
42.5°	561.9	529.2	545.6	526.5	499.2	646.5	932.9	965.7	971.1
45°	354.6	343.7	354.6	343.7	338.3	480.1	736.5	766.5	780.2
47.5°	215.5	201.9	201.9	196.4	201.9	354.6	608.3	652.0	673.8
50°	122.8	117.3	114.6	111.8	122.8	278.2	526.5	575.6	602.9
52.5°	81.8	79.1	79.1	76.4	90.0	234.6	474.6	518.3	545.6
55°	60.0	57.3	57.3	57.3	70.9	201.9	436.5	471.9	496.5
57.5°	46.4	46.4	46.4	43.6	60.0	171.9	390.1	409.2	428.3
60°	38.2	35.5	35.5	35.5	49.1	147.3	335.5	343.7	354.6
62.5°	30.0	30.0	30.0	30.0	40.9	130.9	289.2	289.2	294.6
65°	27.3	24.6	24.6	24.6	35.5	114.6	242.8	240.1	245.5
67.5°	21.8	21.8	21.8	21.8	30.0	98.2	199.1	196.4	201.9
70°	19.1	19.1	19.1	19.1	24.6	81.8	160.9	158.2	163.7
72.5°	16.4	16.4	16.4	16.4	21.8	68.2	128.2	128.2	130.9
75°	13.6	13.6	13.6	13.6	19.1	51.8	103.7	103.7	106.4
77.5°	10.9	10.9	10.9	10.9	13.6	40.9	79.1	76.4	76.4
80°	5.5	8.2	8.2	8.2	10.9	30.0	57.3	51.8	51.8
82.5°	2.7	5.5	5.5	5.5	10.9	21.8	38.2	35.5	35.5
85°	2.7	2.7	2.7	8.2	10.9	16.4	24.6	24.6	24.6
87.5°	0.0	2.7	5.5	10.9	13.6	13.6	16.4	13.6	13.6
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)