

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: P799647

Luminaire Tested: **LD6C35D010 EU6359050 6LBMDSWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799647
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: LD6C35D010 EU6359050 6LBMDSWH
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

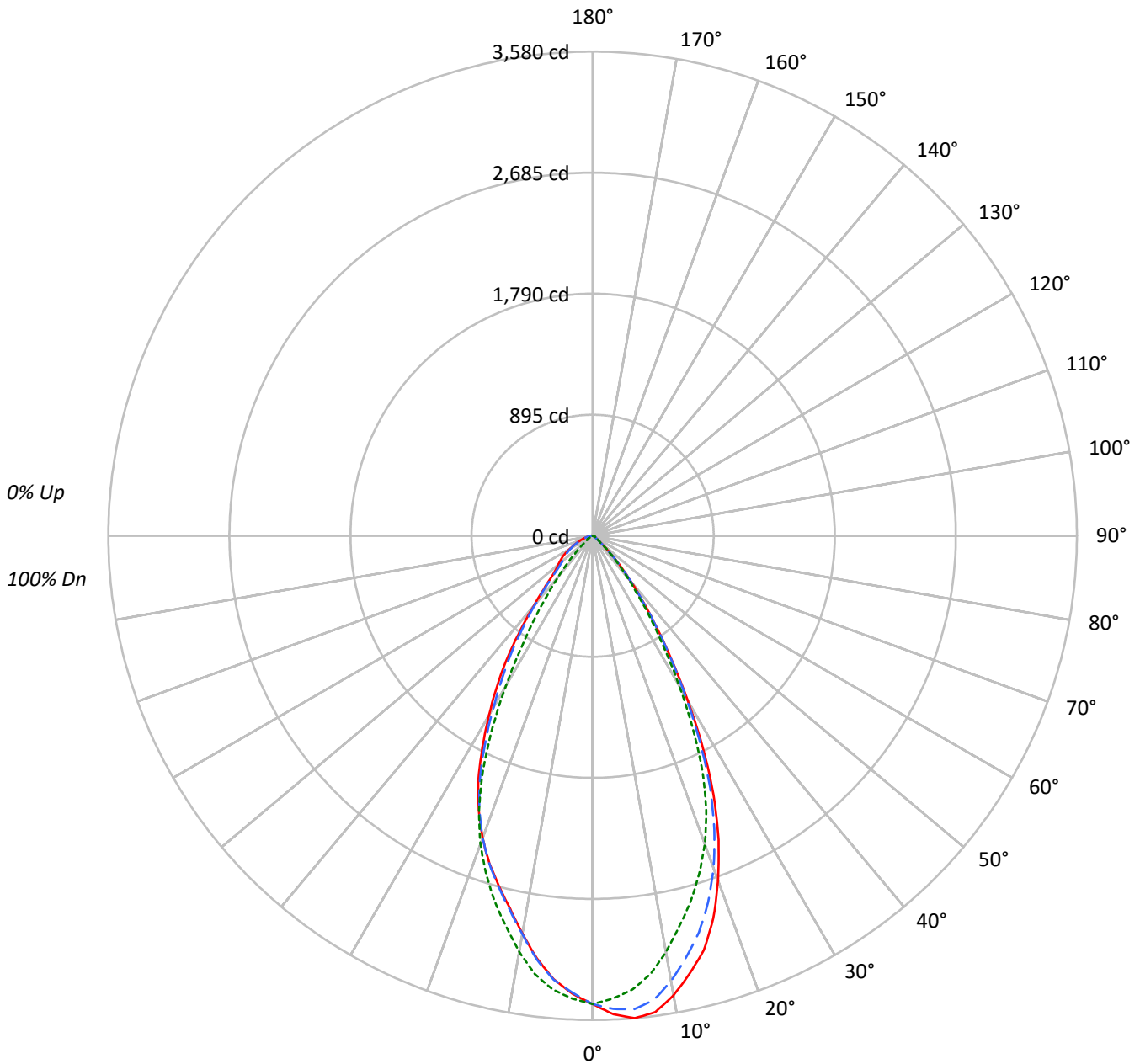
Lumens per Lamp: N/A
Luminaire Lumens: 2981.0 lumens
Efficiency: N/A
Efficacy: 73.8 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 40.4
Input Voltage (V): NR
Input Current (A_{in}): 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				
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92				92				
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85				85				
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78				78				
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73				73				
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67				67				
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63				63				
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59				59				
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55				55				
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52				52				
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49				49				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	189809	189809	189809
5°	197028	185356	181163
10°	191992	173861	166213
15°	180058	158866	151999
20°	158074	141430	138729
25°	127846	116190	120981
30°	88881	80937	96819
35°	54777	49583	73073
40°	31001	27795	48527
45°	15056	14358	33120
50°	5731	5731	28153
55°	3144	3708	25987
60°	2291	2949	21292
65°	1933	2516	17434
70°	1683	2148	14361
75°	1589	2224	12348
80°	947	1894	8966
85°	943	3774	8428



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	317.0	10.6
10°-20°	796.7	26.7
20°-30°	896.8	30.1
30°-40°	555.3	18.6
40°-50°	221.1	7.4
50°-60°	100.7	3.4
60°-70°	57.9	1.9
70°-80°	27.5	0.9
80°-90°	8.0	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°	2010.5	67.4
0°-40°	2565.8	86.1
0°-60°	2887.6	96.9
0°-90°	2981.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2981.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3462	3462	3462	3462	3462	
5°	3580	3515	3368	3295	3292	337
15°	3173	3035	2799	2686	2678	878
25°	2114	2057	1921	1969	2000	950
35°	818	814	741	1032	1092	526
45°	194	194	185	403	427	165
55°	33	31	39	239	272	33
65°	15	13	19	133	134	15
75°	8	8	10	57	58	8
85°	2	2	6	13	13	1
90°	0	0	0	0	0	



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CATALOG NUMBER: LD6C35D010 EU6359050 6LBMSWH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	3462.4	3462.4	3462.4	3462.4	3462.4	3462.4	3462.4	3462.4	3462.4
2.5°	3541.6	3508.7	3501.2	3472.8	3425.1	3398.2	3381.7	3369.8	3390.7
5°	3580.4	3544.5	3514.7	3456.4	3368.3	3319.0	3295.1	3275.7	3292.1
7.5°	3552.0	3501.2	3460.9	3380.2	3268.2	3192.0	3159.2	3136.8	3151.7
10°	3449.0	3387.7	3341.4	3245.8	3123.3	3032.2	2991.9	2971.0	2985.9
12.5°	3314.5	3263.7	3193.5	3089.0	2957.5	2861.9	2832.1	2815.6	2821.6
15°	3172.6	3112.9	3035.2	2930.6	2799.2	2703.6	2685.7	2675.2	2678.2
17.5°	2966.5	2908.2	2841.0	2739.4	2618.5	2540.8	2540.8	2533.3	2537.8
20°	2709.6	2678.2	2612.5	2527.3	2424.3	2354.1	2376.5	2369.0	2378.0
22.5°	2431.7	2407.8	2351.1	2280.9	2194.2	2139.0	2188.3	2186.8	2198.7
25°	2113.6	2095.7	2056.8	1997.1	1920.9	1886.5	1968.7	1968.7	2000.1
27.5°	1762.6	1744.6	1717.8	1667.0	1604.2	1593.8	1714.8	1729.7	1764.1
30°	1404.1	1392.1	1377.2	1330.9	1278.6	1298.0	1465.3	1490.7	1529.5
32.5°	1084.4	1077.0	1072.5	1030.7	984.3	1048.6	1239.8	1272.6	1311.5
35°	818.5	802.1	814.1	782.7	740.9	821.5	1032.1	1060.5	1091.9
37.5°	603.5	591.5	602.0	579.6	542.2	630.3	829.0	846.9	867.8
40°	433.2	422.7	431.7	418.2	388.4	470.5	649.8	669.2	678.1
42.5°	307.7	289.8	298.7	288.3	273.3	354.0	510.8	528.8	531.8
45°	194.2	188.2	194.2	188.2	185.2	262.9	403.3	419.7	427.2
47.5°	118.0	110.5	110.5	107.5	110.5	194.2	333.1	357.0	368.9
50°	67.2	64.2	62.7	61.2	67.2	152.4	288.3	315.2	330.1
52.5°	44.8	43.3	43.3	41.8	49.3	128.5	259.9	283.8	298.7
55°	32.9	31.4	31.4	31.4	38.8	110.5	239.0	258.4	271.9
57.5°	25.4	25.4	25.4	23.9	32.9	94.1	213.6	224.1	234.5
60°	20.9	19.4	19.4	19.4	26.9	80.7	183.7	188.2	194.2
62.5°	16.4	16.4	16.4	16.4	22.4	71.7	158.3	158.3	161.3
65°	14.9	13.4	13.4	13.4	19.4	62.7	132.9	131.4	134.4
67.5°	11.9	11.9	11.9	11.9	16.4	53.8	109.0	107.5	110.5
70°	10.5	10.5	10.5	10.5	13.4	44.8	88.1	86.6	89.6
72.5°	9.0	9.0	9.0	9.0	11.9	37.3	70.2	70.2	71.7
75°	7.5	7.5	7.5	7.5	10.5	28.4	56.8	56.8	58.3
77.5°	6.0	6.0	6.0	6.0	7.5	22.4	43.3	41.8	41.8
80°	3.0	4.5	4.5	4.5	6.0	16.4	31.4	28.4	28.4
82.5°	1.5	3.0	3.0	3.0	6.0	11.9	20.9	19.4	19.4
85°	1.5	1.5	1.5	4.5	6.0	9.0	13.4	13.4	13.4
87.5°	0.0	1.5	3.0	6.0	7.5	7.5	9.0	7.5	7.5
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)