

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: P799648

Luminaire Tested: **LD6C35D010 EU6359050 6LBMDSWLI**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799648
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 6LBMDSWLI
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

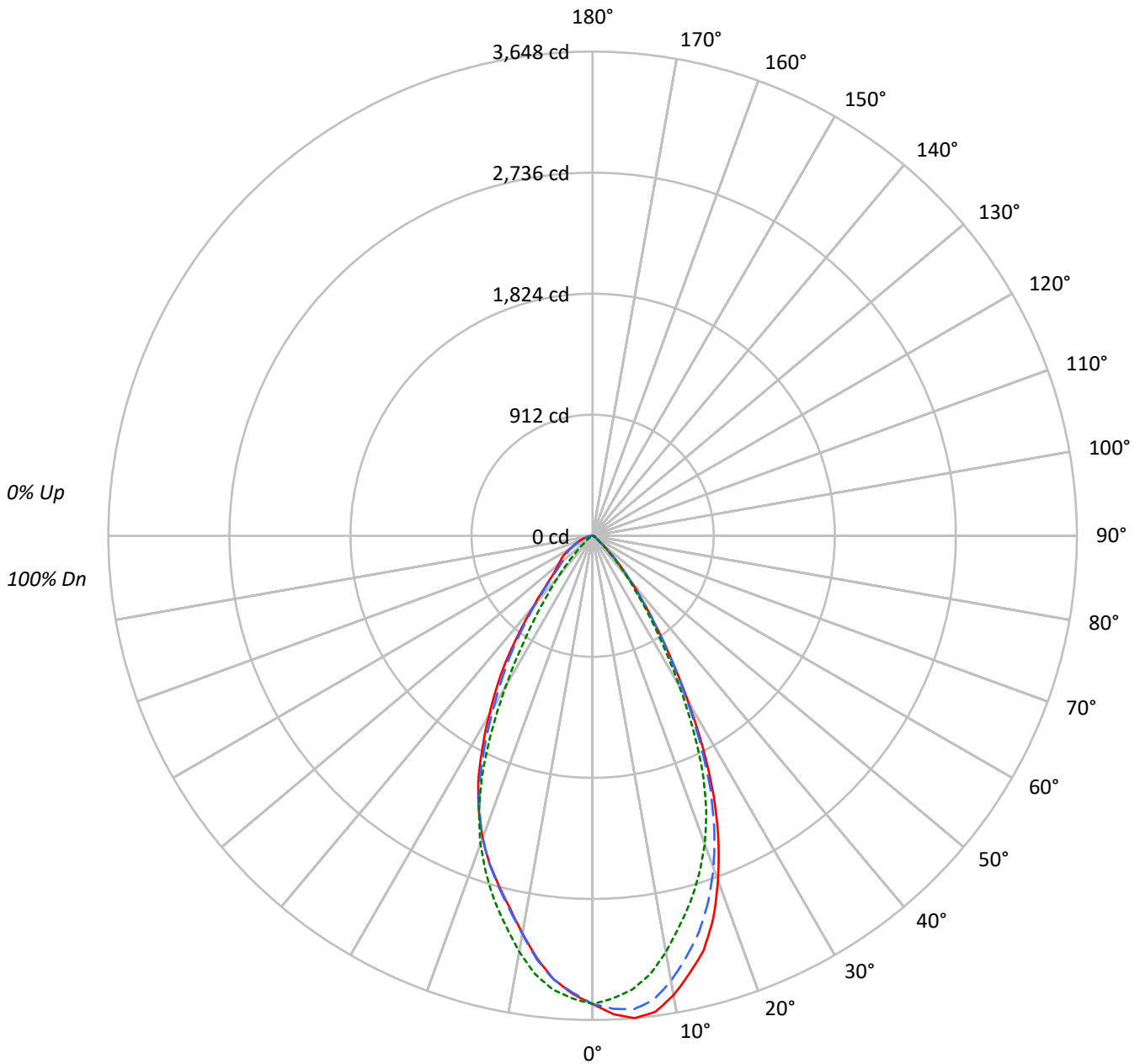
Lumens per Lamp: N/A
Luminaire Lumens: 3037.0 lumens
Efficiency: N/A
Efficacy: 75.2 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	193373	193373	193373
5°	200731	188839	184569
10°	195593	177129	169336
15°	183440	161851	154853
20°	161043	144084	141331
25°	130247	118374	123249
30°	90552	82456	98642
35°	55807	50514	74445
40°	31581	28317	49443
45°	15335	14629	33740
50°	5842	5842	28681
55°	3202	3785	26475
60°	2335	3004	21687
65°	1972	2568	17771
70°	1715	2196	14634
75°	1610	2266	12560
80°	947	1926	9124
85°	943	3837	8617



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	322.9	10.6
10°-20°	811.6	26.7
20°-30°	913.7	30.1
30°-40°	565.8	18.6
40°-50°	225.3	7.4
50°-60°	102.6	3.4
60°-70°	59.0	1.9
70°-80°	28.0	0.9
80°-90°	8.2	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°	2048.2	67.4
0°-40°	2614.0	86.1
0°-60°	2941.9	96.9
0°-90°	3037.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3037.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3527	3527	3527	3527	3527	
5°	3648	3581	3432	3357	3354	344
15°	3232	3092	2852	2736	2728	894
25°	2153	2096	1957	2006	2038	968
35°	834	829	755	1052	1112	536
45°	198	198	189	411	435	168
55°	34	32	40	244	277	33
65°	15	14	20	135	137	15
75°	8	8	11	58	59	8
85°	2	2	6	14	14	1
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°	3527.4	3527.4	3527.4	3527.4	3527.4	3527.4	3527.4	3527.4	3527.4
2.5°	3608.1	3574.6	3567.0	3538.1	3489.4	3462.0	3445.3	3433.1	3454.4
5°	3647.7	3611.1	3580.7	3521.3	3431.6	3381.3	3357.0	3337.2	3354.0
7.5°	3618.7	3567.0	3525.9	3443.7	3329.6	3252.0	3218.5	3195.7	3210.9
10°	3513.7	3451.3	3404.2	3306.8	3182.0	3089.2	3048.1	3026.8	3042.0
12.5°	3376.8	3325.0	3253.5	3147.0	3013.1	2915.7	2885.3	2868.5	2874.6
15°	3232.2	3171.3	3092.2	2985.7	2851.8	2754.4	2736.1	2725.5	2728.5
17.5°	3022.2	2962.9	2894.4	2790.9	2667.6	2588.5	2588.5	2580.9	2585.5
20°	2760.5	2728.5	2661.6	2574.8	2469.8	2398.3	2421.1	2413.5	2422.6
22.5°	2477.4	2453.1	2395.2	2323.7	2235.5	2179.2	2229.4	2227.9	2240.0
25°	2153.3	2135.0	2095.5	2034.6	1957.0	1922.0	2005.7	2005.7	2037.6
27.5°	1795.7	1777.4	1750.0	1698.3	1634.4	1623.7	1747.0	1762.2	1797.2
30°	1430.5	1418.3	1403.1	1355.9	1302.6	1322.4	1492.8	1518.7	1558.3
32.5°	1104.8	1097.2	1092.6	1050.0	1002.8	1068.3	1263.1	1296.5	1336.1
35°	833.9	817.2	829.4	797.4	754.8	837.0	1051.5	1080.4	1112.4
37.5°	614.8	602.6	613.3	590.4	552.4	642.2	844.6	862.8	884.1
40°	441.3	430.7	439.8	426.1	395.7	479.4	662.0	681.7	690.9
42.5°	313.5	295.2	304.4	293.7	278.5	360.7	520.4	538.7	541.7
45°	197.8	191.7	197.8	191.7	188.7	267.8	410.9	427.6	435.2
47.5°	120.2	112.6	112.6	109.6	112.6	197.8	339.4	363.7	375.9
50°	68.5	65.4	63.9	62.4	68.5	155.2	293.7	321.1	336.3
52.5°	45.7	44.1	44.1	42.6	50.2	130.9	264.8	289.1	304.4
55°	33.5	32.0	32.0	32.0	39.6	112.6	243.5	263.3	277.0
57.5°	25.9	25.9	25.9	24.3	33.5	95.9	217.6	228.3	238.9
60°	21.3	19.8	19.8	19.8	27.4	82.2	187.2	191.7	197.8
62.5°	16.7	16.7	16.7	16.7	22.8	73.0	161.3	161.3	164.3
65°	15.2	13.7	13.7	13.7	19.8	63.9	135.4	133.9	137.0
67.5°	12.2	12.2	12.2	12.2	16.7	54.8	111.1	109.6	112.6
70°	10.7	10.7	10.7	10.7	13.7	45.7	89.8	88.3	91.3
72.5°	9.1	9.1	9.1	9.1	12.2	38.0	71.5	71.5	73.0
75°	7.6	7.6	7.6	7.6	10.7	28.9	57.8	57.8	59.3
77.5°	6.1	6.1	6.1	6.1	7.6	22.8	44.1	42.6	42.6
80°	3.0	4.6	4.6	4.6	6.1	16.7	32.0	28.9	28.9
82.5°	1.5	3.0	3.0	3.0	6.1	12.2	21.3	19.8	19.8
85°	1.5	1.5	1.5	4.6	6.1	9.1	13.7	13.7	13.7
87.5°	0.0	1.5	3.0	6.1	7.6	7.6	9.1	7.6	7.6
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)