

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: P799611

Luminaire Tested: **LD6C35D010 EU6359030 6LBMDSWH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799611
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 EU6359030 6LBMDSWH
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

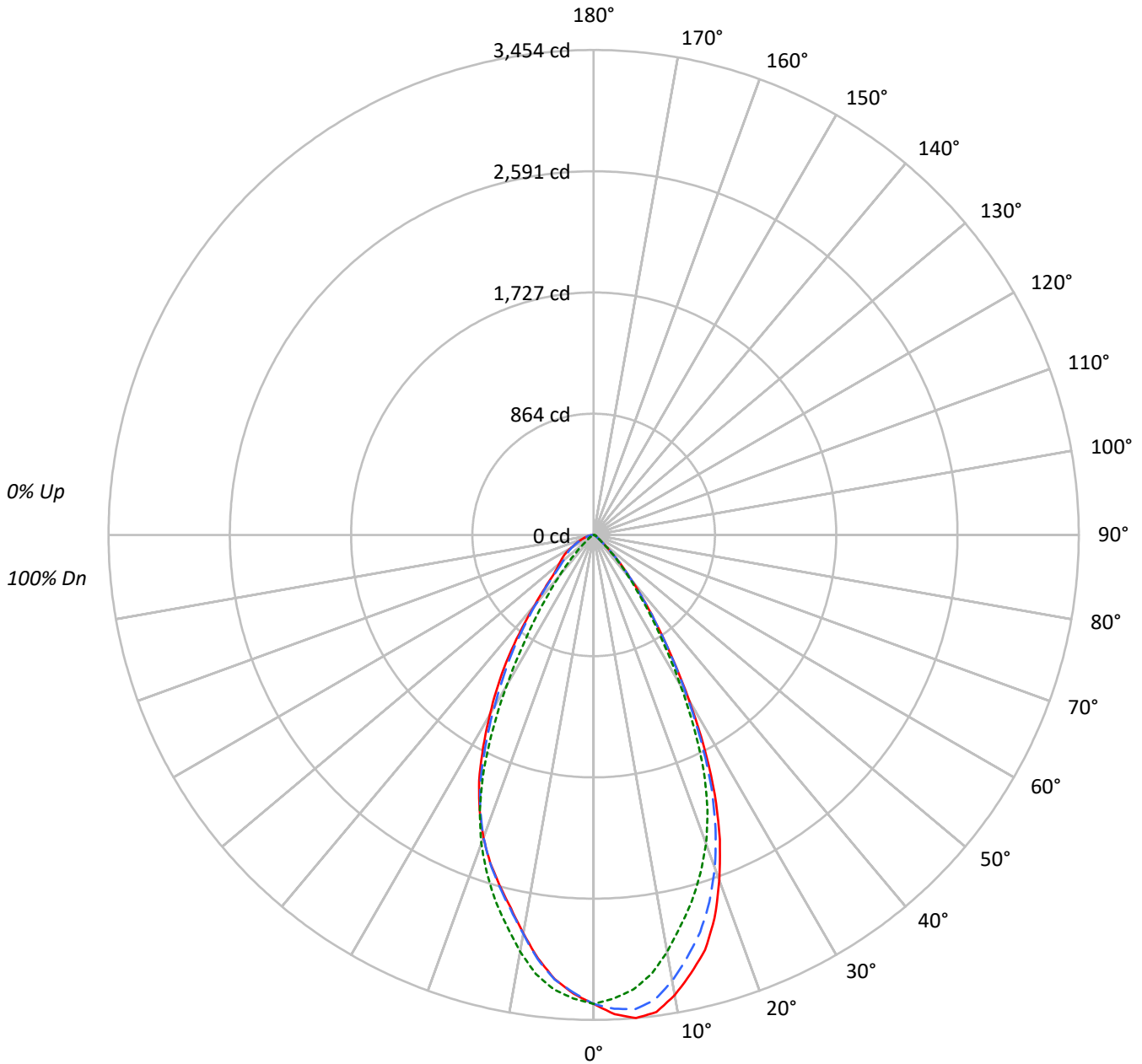
Lumens per Lamp: N/A
Luminaire Lumens: 2876.0 lumens
Efficiency: N/A
Efficacy: 71.2 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	183121	183121	183121
5°	190089	178824	174785
10°	185228	167738	160357
15°	173718	153270	146647
20°	152502	136448	133840
25°	123340	112095	116716
30°	85747	78088	93413
35°	52849	47837	70497
40°	29906	26815	46823
45°	14521	13854	31957
50°	5526	5526	27163
55°	3030	3584	25070
60°	2215	2840	20536
65°	1868	2426	16824
70°	1619	2084	13865
75°	1525	2139	11904
80°	916	1831	8650
85°	881	3648	8177



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	305.8	10.6
10°-20°	768.6	26.7
20°-30°	865.2	30.1
30°-40°	535.8	18.6
40°-50°	213.4	7.4
50°-60°	97.1	3.4
60°-70°	55.8	1.9
70°-80°	26.5	0.9
80°-90°	7.7	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°	1939.7	67.4
0°-40°	2475.4	86.1
0°-60°	2785.9	96.9
0°-90°	2876.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2876.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3340	3340	3340	3340	3340	
5°	3454	3391	3250	3179	3176	325
15°	3061	2928	2701	2591	2584	847
25°	2039	1984	1853	1899	1930	917
35°	790	785	715	996	1053	508
45°	187	187	179	389	412	159
55°	32	30	38	231	262	31
65°	14	13	19	128	130	14
75°	7	7	10	55	56	7
85°	1	1	6	13	13	1
90°	0	0	0	0	0	



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CATALOG NUMBER: LD6C35D010 EU6359030 6LBMSWH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	3340.4	3340.4	3340.4	3340.4	3340.4	3340.4	3340.4	3340.4	3340.4
2.5°	3416.8	3385.1	3377.9	3350.5	3304.4	3278.5	3262.6	3251.1	3271.3
5°	3454.3	3419.7	3390.9	3334.7	3249.6	3202.1	3179.0	3160.3	3176.2
7.5°	3426.9	3377.9	3339.0	3261.2	3153.1	3079.6	3047.9	3026.3	3040.7
10°	3327.5	3268.4	3223.7	3131.5	3013.3	2925.4	2886.5	2866.3	2880.7
12.5°	3197.8	3148.8	3081.0	2980.2	2853.4	2761.1	2732.3	2716.4	2722.2
15°	3060.9	3003.2	2928.3	2827.4	2700.6	2608.4	2591.1	2581.0	2583.9
17.5°	2862.0	2805.8	2740.9	2643.0	2526.2	2451.3	2451.3	2444.1	2448.4
20°	2614.1	2583.9	2520.5	2438.3	2338.9	2271.2	2292.8	2285.6	2294.2
22.5°	2346.1	2323.0	2268.3	2200.5	2117.0	2063.6	2111.2	2109.7	2121.3
25°	2039.1	2021.8	1984.4	1926.7	1853.2	1820.1	1899.4	1899.4	1929.6
27.5°	1700.5	1683.2	1657.2	1608.3	1547.7	1537.6	1654.4	1668.8	1701.9
30°	1354.6	1343.1	1328.7	1284.0	1233.6	1252.3	1413.7	1438.2	1475.7
32.5°	1046.2	1039.0	1034.7	994.3	949.7	1011.6	1196.1	1227.8	1265.3
35°	789.7	773.9	785.4	755.1	714.8	792.6	995.8	1023.2	1053.4
37.5°	582.2	570.7	580.8	559.1	523.1	608.1	799.8	817.1	837.3
40°	417.9	407.8	416.5	403.5	374.7	453.9	626.9	645.6	654.3
42.5°	296.9	279.6	288.2	278.1	263.7	341.5	492.9	510.1	513.0
45°	187.3	181.6	187.3	181.6	178.7	253.6	389.1	404.9	412.2
47.5°	113.8	106.6	106.6	103.8	106.6	187.3	321.4	344.4	355.9
50°	64.8	62.0	60.5	59.1	64.8	147.0	278.1	304.1	318.5
52.5°	43.2	41.8	41.8	40.4	47.6	123.9	250.7	273.8	288.2
55°	31.7	30.3	30.3	30.3	37.5	106.6	230.6	249.3	262.3
57.5°	24.5	24.5	24.5	23.1	31.7	90.8	206.1	216.2	226.3
60°	20.2	18.7	18.7	18.7	25.9	77.8	177.3	181.6	187.3
62.5°	15.9	15.9	15.9	15.9	21.6	69.2	152.8	152.8	155.6
65°	14.4	13.0	13.0	13.0	18.7	60.5	128.3	126.8	129.7
67.5°	11.5	11.5	11.5	11.5	15.9	51.9	105.2	103.8	106.6
70°	10.1	10.1	10.1	10.1	13.0	43.2	85.0	83.6	86.5
72.5°	8.6	8.6	8.6	8.6	11.5	36.0	67.7	67.7	69.2
75°	7.2	7.2	7.2	7.2	10.1	27.4	54.8	54.8	56.2
77.5°	5.8	5.8	5.8	5.8	7.2	21.6	41.8	40.4	40.4
80°	2.9	4.3	4.3	4.3	5.8	15.9	30.3	27.4	27.4
82.5°	1.4	2.9	2.9	2.9	5.8	11.5	20.2	18.7	18.7
85°	1.4	1.4	1.4	4.3	5.8	8.6	13.0	13.0	13.0
87.5°	0.0	1.4	2.9	5.8	7.2	7.2	8.6	7.2	7.2
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)