

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: P799760

Luminaire Tested: **LD6C45D010 EU6459050 6LBMDDWGPB**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799760
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: LD6C45D010 EU6459050 6LBMDDWGPH
Description: 6 INCH 4500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

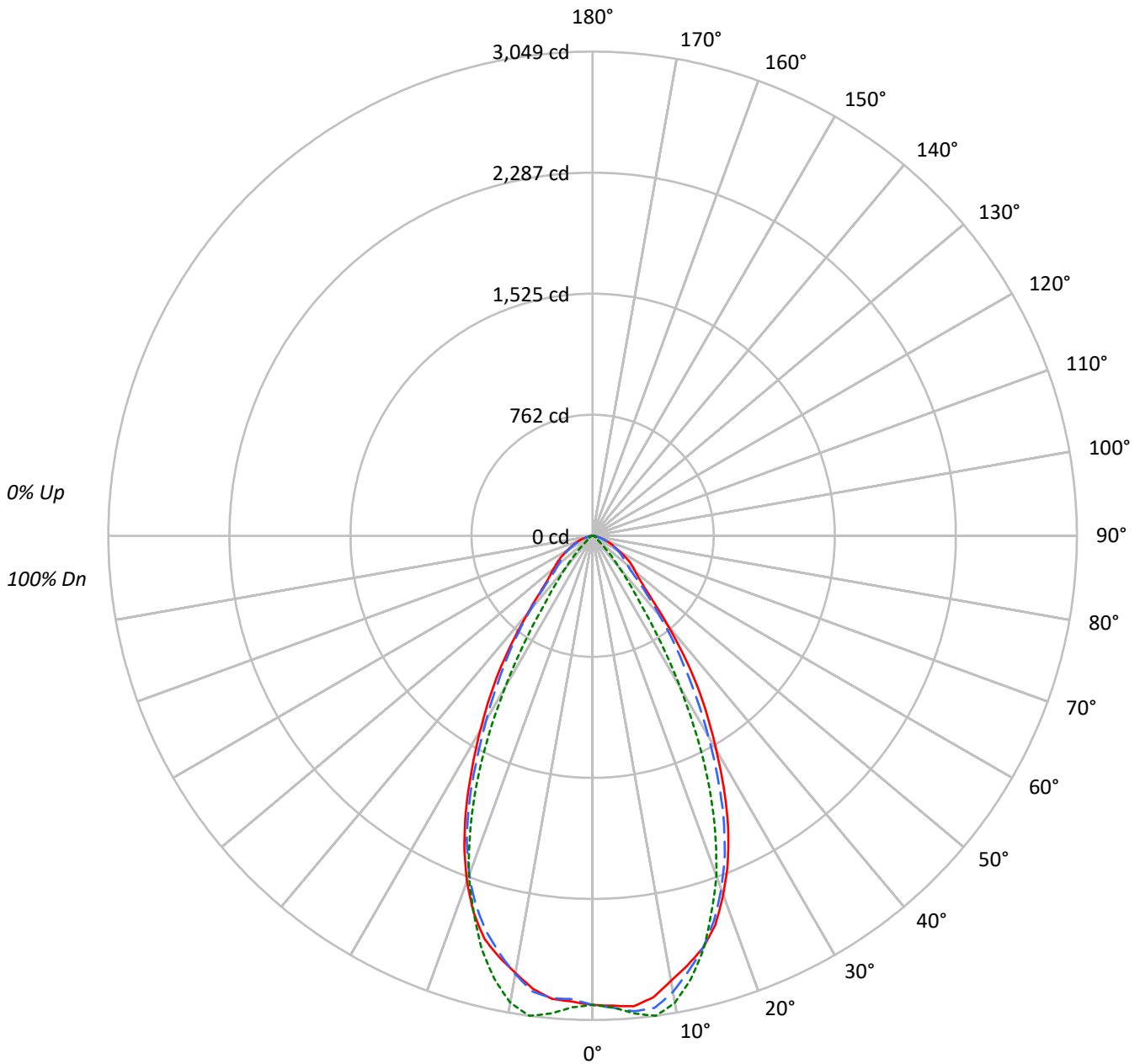
Lumens per Lamp: N/A
Luminaire Lumens: 3008.0 lumens
Efficiency: N/A
Efficacy: 60.6 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 49.6
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	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91			91
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83			83
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			76
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70			70
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64			64
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59			59
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55			55
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51			51
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48			48
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45			45

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	161972	161972	161972
5°	163669	166151	161105
10°	158364	166146	155603
15°	152419	153020	149178
20°	140281	132918	135018
25°	122088	104813	113722
30°	98465	69637	89330
35°	76339	35904	67084
40°	52377	18606	45170
45°	35887	9319	31693
50°	29867	3974	27172
55°	26857	3450	24276
60°	21259	3300	20272
65°	17551	2919	17356
70°	14217	2645	14217
75°	10506	2859	11141
80°	6156	2368	6630
85°	4717	2830	4717



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.3	9.4
10°-20°	738.2	24.5
20°-30°	842.6	28.0
30°-40°	558.8	18.6
40°-50°	269.5	9.0
50°-60°	165.8	5.5
60°-70°	100.3	3.3
70°-80°	42.2	1.4
80°-90°	9.3	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°	1862.1	61.9
0°-40°	2420.9	80.5
0°-60°	2856.2	95.0
0°-90°	3008.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3008.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2955	2955	2955	2955	2955	
5°	2974	3006	3019	2923	2928	279
15°	2686	2686	2696	2582	2628	748
25°	2018	1951	1733	1834	1880	915
35°	1141	1005	536	938	1002	706
45°	463	406	120	379	409	378
55°	281	228	36	228	254	247
65°	135	129	22	122	134	136
75°	50	50	14	47	53	53
85°	8	10	4	8	8	10
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°	2954.6	2954.6	2954.6	2954.6	2954.6	2954.6	2954.6	2954.6	2954.6
2.5°	2962.2	2966.7	2975.7	2977.2	2972.7	2944.1	2920.1	2929.1	2936.6
5°	2974.2	2983.2	3005.7	3026.8	3019.3	2971.2	2923.1	2921.6	2927.6
7.5°	2930.6	2951.6	2998.2	3050.8	3049.3	2966.7	2896.0	2878.0	2878.0
10°	2844.9	2864.5	2915.6	2986.2	2984.7	2881.0	2802.9	2793.8	2795.3
12.5°	2768.3	2777.3	2802.9	2858.5	2858.5	2756.3	2696.2	2705.2	2717.2
15°	2685.6	2691.6	2685.6	2703.7	2696.2	2612.0	2581.9	2610.5	2628.5
17.5°	2568.4	2571.4	2539.9	2515.8	2487.3	2434.7	2442.2	2484.3	2488.8
20°	2404.6	2424.1	2367.0	2305.4	2278.4	2228.8	2270.8	2317.4	2314.4
22.5°	2224.3	2246.8	2173.2	2071.0	2015.4	1995.8	2071.0	2113.0	2111.5
25°	2018.4	2034.9	1950.7	1808.0	1732.8	1729.8	1833.5	1877.1	1880.1
27.5°	1786.9	1792.9	1698.2	1511.9	1418.7	1441.3	1572.0	1632.1	1639.6
30°	1555.5	1552.5	1454.8	1223.3	1100.1	1161.7	1337.6	1403.7	1411.2
32.5°	1343.6	1334.6	1223.3	946.8	799.5	891.2	1122.6	1191.8	1203.8
35°	1140.7	1125.7	1005.4	700.3	536.5	673.3	937.8	997.9	1002.4
37.5°	928.8	921.3	826.6	524.5	374.2	511.0	765.0	808.5	804.0
40°	731.9	731.9	653.8	389.2	260.0	380.2	605.7	644.7	631.2
42.5°	574.1	581.6	515.5	287.0	184.9	282.5	479.4	515.5	500.5
45°	462.9	462.9	405.8	213.4	120.2	210.4	378.7	411.8	408.8
47.5°	392.3	386.2	329.1	156.3	66.1	157.8	318.6	359.2	357.7
50°	350.2	341.2	282.5	123.2	46.6	130.8	279.5	317.1	318.6
52.5°	317.1	303.6	254.0	109.7	40.6	114.2	254.0	284.0	284.0
55°	281.0	273.5	228.4	97.7	36.1	102.2	228.4	255.5	254.0
57.5°	237.5	236.0	204.4	88.7	33.1	90.2	204.4	220.9	214.9
60°	193.9	199.9	177.3	79.7	30.1	81.2	174.3	187.9	184.9
62.5°	162.3	169.8	154.8	70.6	25.5	72.1	147.3	160.8	157.8
65°	135.3	141.3	129.2	60.1	22.5	60.1	121.7	133.8	133.8
67.5°	111.2	115.7	106.7	49.6	19.5	49.6	99.2	109.7	111.2
70°	88.7	91.7	84.2	39.1	16.5	40.6	78.1	88.7	88.7
72.5°	69.1	70.6	66.1	31.6	15.0	31.6	60.1	69.1	69.1
75°	49.6	52.6	49.6	24.0	13.5	24.0	46.6	51.1	52.6
77.5°	28.6	36.1	36.1	19.5	10.5	18.0	33.1	34.6	34.6
80°	19.5	22.5	25.5	13.5	7.5	13.5	21.0	22.5	21.0
82.5°	13.5	15.0	15.0	9.0	6.0	9.0	13.5	15.0	13.5
85°	7.5	10.5	10.5	7.5	4.5	6.0	7.5	9.0	7.5
87.5°	4.5	6.0	7.5	6.0	4.5	4.5	4.5	4.5	3.0
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)