

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: P799932

Luminaire Tested: **LD6C60D010 EU6609040 6LBMDDWWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799932
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: LD6C60D010 EU6609040 6LBMDDWWH
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

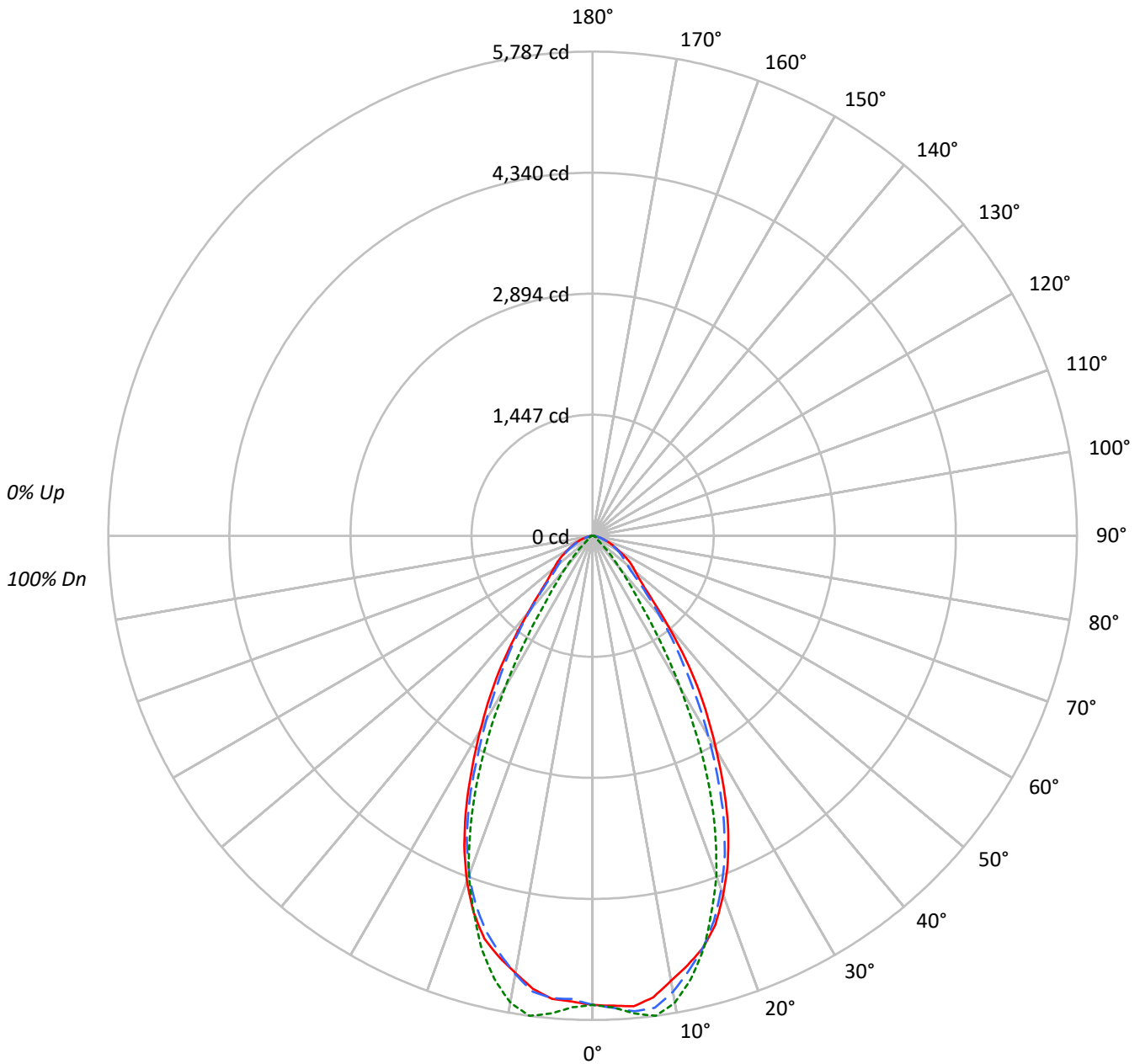
Lumens per Lamp: N/A
Luminaire Lumens: 5709.0 lumens
Efficiency: N/A
Efficacy: 79.3 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 72
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°	307415	307415	307415
5°	310631	315341	305766
10°	300568	315336	295330
15°	289287	290416	283134
20°	266245	252267	256257
25°	231709	198931	215837
30°	186877	132166	169545
35°	144882	68148	127321
40°	99408	35316	85732
45°	68108	17692	60146
50°	56680	7539	51572
55°	50980	6547	46068
60°	40348	6249	38462
65°	33298	5552	32935
70°	26976	5033	26976
75°	19931	5443	21139
80°	11712	4514	12596
85°	8995	5409	8995



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	533.8	9.4
10°-20°	1401.1	24.5
20°-30°	1599.2	28.0
30°-40°	1060.6	18.6
40°-50°	511.5	9.0
50°-60°	314.7	5.5
60°-70°	190.4	3.3
70°-80°	80.1	1.4
80°-90°	17.7	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°	3534.1	61.9
0°-40°	4594.6	80.5
0°-60°	5420.8	95.0
0°-90°	5709.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5709.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5608	5608	5608	5608	5608	
5°	5645	5705	5730	5548	5556	530
15°	5097	5097	5117	4900	4989	1420
25°	3831	3702	3289	3480	3568	1737
35°	2165	1908	1018	1780	1902	1339
45°	878	770	228	719	776	716
55°	533	434	68	434	482	469
65°	257	245	43	231	254	258
75°	94	94	26	88	100	101
85°	14	20	9	14	14	18
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°	5607.7	5607.7	5607.7	5607.7	5607.7	5607.7	5607.7	5607.7	5607.7
2.5°	5622.0	5630.6	5647.7	5650.5	5642.0	5587.8	5542.1	5559.3	5573.5
5°	5644.8	5661.9	5704.7	5744.7	5730.4	5639.1	5547.8	5545.0	5556.4
7.5°	5562.1	5602.0	5690.5	5790.3	5787.4	5630.6	5496.5	5462.3	5462.3
10°	5399.5	5436.6	5533.6	5667.6	5664.8	5468.0	5319.7	5302.5	5305.4
12.5°	5254.1	5271.2	5319.7	5425.2	5425.2	5231.2	5117.1	5134.3	5157.1
15°	5097.2	5108.6	5097.2	5131.4	5117.1	4957.4	4900.4	4954.6	4988.8
17.5°	4874.7	4880.4	4820.5	4774.9	4720.7	4620.8	4635.1	4715.0	4723.5
20°	4563.8	4600.9	4492.5	4375.5	4324.2	4230.1	4309.9	4398.3	4392.6
22.5°	4221.5	4264.3	4124.5	3930.6	3825.0	3787.9	3930.6	4010.4	4007.6
25°	3830.7	3862.1	3702.4	3431.4	3288.8	3283.1	3479.9	3562.6	3568.3
27.5°	3391.5	3402.9	3223.2	2869.5	2692.6	2735.4	2983.6	3097.7	3111.9
30°	2952.2	2946.5	2761.1	2321.8	2087.9	2204.9	2538.6	2664.1	2678.4
32.5°	2550.0	2532.9	2321.8	1797.0	1517.5	1691.5	2130.7	2261.9	2284.7
35°	2164.9	2136.4	1908.2	1329.2	1018.3	1277.9	1779.9	1894.0	1902.5
37.5°	1762.8	1748.5	1568.8	995.5	710.2	969.8	1451.9	1534.6	1526.0
40°	1389.1	1389.1	1240.8	738.8	493.5	721.6	1149.5	1223.7	1198.0
42.5°	1089.6	1103.9	978.4	544.8	350.8	536.2	909.9	978.4	949.8
45°	878.5	878.5	770.1	405.0	228.2	399.3	718.8	781.5	775.8
47.5°	744.5	733.1	624.7	296.6	125.5	299.5	604.7	681.7	678.9
50°	664.6	647.5	536.2	233.9	88.4	248.2	530.5	601.8	604.7
52.5°	601.8	576.2	482.0	208.2	77.0	216.8	482.0	539.1	539.1
55°	533.4	519.1	433.6	185.4	68.5	194.0	433.6	484.9	482.0
57.5°	450.7	447.8	387.9	168.3	62.8	171.1	387.9	419.3	407.9
60°	368.0	379.4	336.6	151.2	57.0	154.0	330.9	356.5	350.8
62.5°	308.1	322.3	293.8	134.1	48.5	136.9	279.5	305.2	299.5
65°	256.7	268.1	245.3	114.1	42.8	114.1	231.0	253.9	253.9
67.5°	211.1	219.6	202.5	94.1	37.1	94.1	188.3	208.2	211.1
70°	168.3	174.0	159.7	74.2	31.4	77.0	148.3	168.3	168.3
72.5°	131.2	134.1	125.5	59.9	28.5	59.9	114.1	131.2	131.2
75°	94.1	99.8	94.1	45.6	25.7	45.6	88.4	97.0	99.8
77.5°	54.2	68.5	68.5	37.1	20.0	34.2	62.8	65.6	65.6
80°	37.1	42.8	48.5	25.7	14.3	25.7	39.9	42.8	39.9
82.5°	25.7	28.5	28.5	17.1	11.4	17.1	25.7	28.5	25.7
85°	14.3	20.0	20.0	14.3	8.6	11.4	14.3	17.1	14.3
87.5°	8.6	11.4	14.3	11.4	8.6	8.6	8.6	8.6	5.7
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)