

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: P800026

Luminaire Tested: **LD6C70D010 EU6709030 6LBMDDWLI**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P800026
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: LD6C70D010 EU6709030 6LBMDDWLI
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

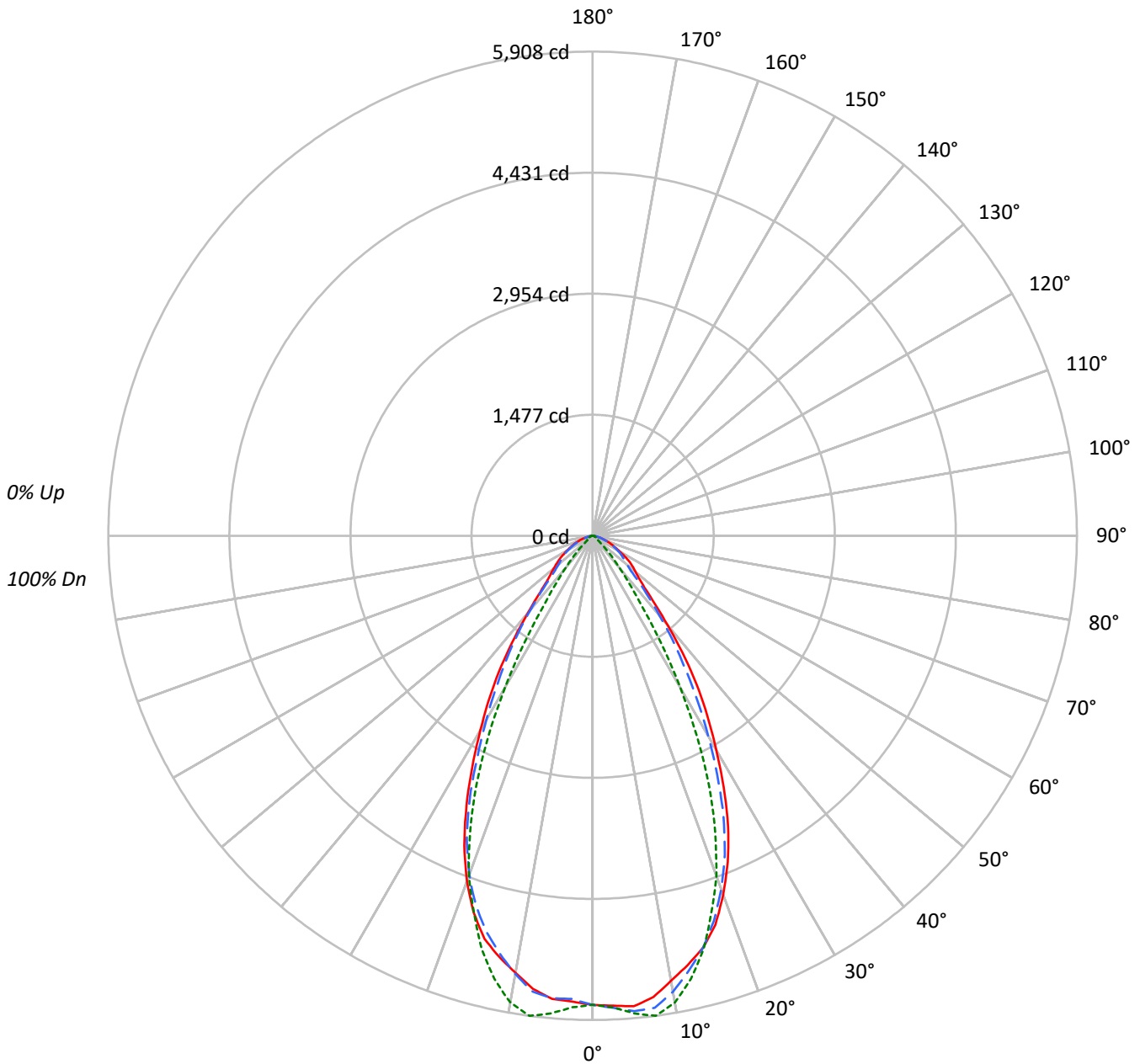
Lumens per Lamp: N/A
Luminaire Lumens: 5828.0 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 78
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			
1	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91			
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70			
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64			
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59			
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55			
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51			
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48			
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	313824	313824	313824
5°	317108	321912	312139
10°	306836	321910	301486
15°	295314	296472	289037
20°	271793	257523	261601
25°	236542	203074	220337
30°	190770	134926	173077
35°	147907	69567	129978
40°	101483	36046	87521
45°	69527	18056	61402
50°	57866	7701	52646
55°	52041	6681	47033
60°	41181	6381	39273
65°	33998	5669	33622
70°	27537	5129	27537
75°	20355	5549	21583
80°	11965	4609	12880
85°	9183	5472	9183



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	544.9	9.4
10°-20°	1430.3	24.5
20°-30°	1632.6	28.0
30°-40°	1082.7	18.6
40°-50°	522.2	9.0
50°-60°	321.2	5.5
60°-70°	194.4	3.3
70°-80°	81.8	1.4
80°-90°	18.0	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°	3607.7	61.9
0°-40°	4690.4	80.5
0°-60°	5533.8	95.0
0°-90°	5828.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5828.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5725	5725	5725	5725	5725	
5°	5762	5824	5850	5664	5672	541
15°	5203	5203	5224	5002	5093	1450
25°	3911	3780	3357	3552	3643	1773
35°	2210	1948	1040	1817	1942	1367
45°	897	786	233	734	792	731
55°	544	443	70	443	492	479
65°	262	250	44	236	259	263
75°	96	96	26	90	102	103
85°	15	20	9	15	15	19
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°	5724.6	5724.6	5724.6	5724.6	5724.6	5724.6	5724.6	5724.6	5724.6
2.5°	5739.2	5747.9	5765.4	5768.3	5759.6	5704.3	5657.7	5675.1	5689.7
5°	5762.5	5780.0	5823.6	5864.4	5849.8	5756.7	5663.5	5660.6	5672.2
7.5°	5678.0	5718.8	5809.1	5911.0	5908.1	5747.9	5611.1	5576.1	5576.1
10°	5512.1	5549.9	5648.9	5785.8	5782.9	5582.0	5430.5	5413.1	5416.0
12.5°	5363.6	5381.0	5430.5	5538.3	5538.3	5340.3	5223.8	5241.3	5264.6
15°	5203.4	5215.1	5203.4	5238.4	5223.8	5060.7	5002.5	5057.8	5092.8
17.5°	4976.3	4982.1	4921.0	4874.4	4819.1	4717.1	4731.7	4813.2	4822.0
20°	4658.9	4696.8	4586.1	4466.7	4414.3	4318.2	4399.8	4490.0	4484.2
22.5°	4309.5	4353.2	4210.5	4012.5	3904.7	3866.9	4012.5	4094.0	4091.1
25°	3910.6	3942.6	3779.5	3502.9	3357.3	3351.5	3552.4	3636.9	3642.7
27.5°	3462.2	3473.8	3290.4	2929.3	2748.8	2792.4	3045.8	3162.2	3176.8
30°	3013.7	3007.9	2818.6	2370.2	2131.5	2250.8	2591.5	2719.6	2734.2
32.5°	2603.2	2585.7	2370.2	1834.4	1549.1	1726.7	2175.1	2309.1	2332.4
35°	2210.1	2181.0	1948.0	1356.9	1039.5	1304.5	1817.0	1933.4	1942.2
37.5°	1799.5	1784.9	1601.5	1016.2	725.0	990.0	1482.1	1566.6	1557.8
40°	1418.1	1418.1	1266.6	754.2	503.7	736.7	1173.5	1249.2	1223.0
42.5°	1112.3	1126.9	998.8	556.2	358.2	547.4	928.9	998.8	969.6
45°	896.8	896.8	786.2	413.5	232.9	407.7	733.8	797.8	792.0
47.5°	760.0	748.3	637.7	302.8	128.1	305.7	617.3	695.9	693.0
50°	678.5	661.0	547.4	238.8	90.3	253.3	541.6	614.4	617.3
52.5°	614.4	588.2	492.1	212.6	78.6	221.3	492.1	550.3	550.3
55°	544.5	530.0	442.6	189.3	69.9	198.0	442.6	495.0	492.1
57.5°	460.1	457.2	396.0	171.8	64.1	174.7	396.0	428.0	416.4
60°	375.6	387.3	343.6	154.3	58.2	157.2	337.8	364.0	358.2
62.5°	314.5	329.0	299.9	136.9	49.5	139.8	285.4	311.6	305.7
65°	262.1	273.7	250.4	116.5	43.7	116.5	235.9	259.2	259.2
67.5°	215.5	224.2	206.7	96.1	37.9	96.1	192.2	212.6	215.5
70°	171.8	177.6	163.1	75.7	32.0	78.6	151.4	171.8	171.8
72.5°	133.9	136.9	128.1	61.1	29.1	61.1	116.5	133.9	133.9
75°	96.1	101.9	96.1	46.6	26.2	46.6	90.3	99.0	101.9
77.5°	55.3	69.9	69.9	37.9	20.4	34.9	64.1	67.0	67.0
80°	37.9	43.7	49.5	26.2	14.6	26.2	40.8	43.7	40.8
82.5°	26.2	29.1	29.1	17.5	11.6	17.5	26.2	29.1	26.2
85°	14.6	20.4	20.4	14.6	8.7	11.6	14.6	17.5	14.6
87.5°	8.7	11.6	14.6	11.6	8.7	8.7	8.7	8.7	5.8
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)