

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: P800049

Luminaire Tested: **LD6C70D010 EU6709040 6LBMDDWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P800049
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 EU6709040 6LBMDDWH
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

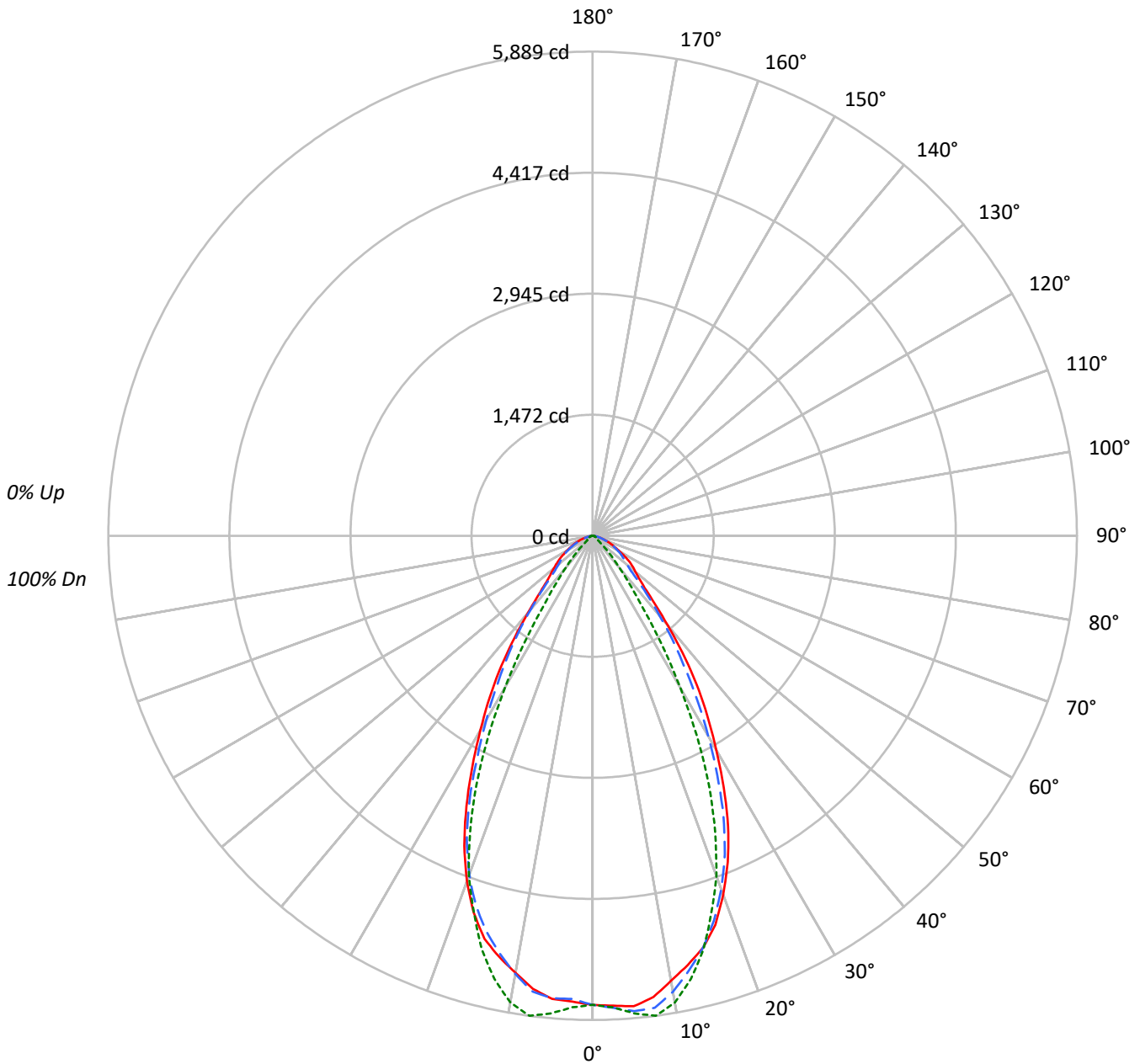
Lumens per Lamp: N/A
Luminaire Lumens: 5809.0 lumens
Efficiency: N/A
Efficacy: 74.5 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P800049

CATALOG NUMBER: LD6C70D010 EU6709040 6LBMDDWH

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	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°	312804	312804	312804
5°	316073	320866	311121
10°	305834	320858	300501
15°	294355	295507	288095
20°	270906	256683	260749
25°	235768	202415	219618
30°	190150	134483	172514
35°	147425	69339	129556
40°	101147	35932	87235
45°	69302	18002	61200
50°	57670	7676	52476
55°	51869	6662	46880
60°	41049	6359	39142
65°	33882	5643	33506
70°	27441	5113	27441
75°	20291	5528	21520
80°	11902	4578	12817
85°	9120	5472	9120



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	543.1	9.4
10°-20°	1425.6	24.5
20°-30°	1627.2	28.0
30°-40°	1079.1	18.6
40°-50°	520.5	9.0
50°-60°	320.2	5.5
60°-70°	193.7	3.3
70°-80°	81.5	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°	3596.0	61.9
0°-40°	4675.1	80.5
0°-60°	5515.8	95.0
0°-90°	5809.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5809.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5706	5706	5706	5706	5706	
5°	5744	5805	5831	5645	5654	540
15°	5186	5186	5207	4986	5076	1445
25°	3898	3767	3346	3541	3631	1767
35°	2203	1942	1036	1811	1936	1362
45°	894	784	232	731	789	729
55°	543	441	70	441	490	477
65°	261	250	44	235	258	262
75°	96	96	26	90	102	102
85°	14	20	9	14	14	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°	5706.0	5706.0	5706.0	5706.0	5706.0	5706.0	5706.0	5706.0	5706.0
2.5°	5720.5	5729.2	5746.6	5749.5	5740.8	5685.7	5639.2	5656.6	5671.1
5°	5743.7	5761.1	5804.7	5845.3	5830.8	5737.9	5645.0	5642.1	5653.7
7.5°	5659.5	5700.2	5790.1	5891.7	5888.8	5729.2	5592.8	5558.0	5558.0
10°	5494.1	5531.8	5630.5	5766.9	5764.0	5563.8	5412.8	5395.4	5398.3
12.5°	5346.1	5363.5	5412.8	5520.2	5520.2	5322.9	5206.8	5224.2	5247.4
15°	5186.5	5198.1	5186.5	5221.3	5206.8	5044.2	4986.2	5041.3	5076.2
17.5°	4960.1	4965.9	4904.9	4858.5	4803.3	4701.8	4716.3	4797.5	4806.3
20°	4643.7	4681.5	4571.2	4452.2	4399.9	4304.1	4385.4	4475.4	4469.6
22.5°	4295.4	4339.0	4196.8	3999.4	3892.0	3854.3	3999.4	4080.7	4077.8
25°	3897.8	3929.7	3767.2	3491.5	3346.4	3340.6	3540.8	3625.0	3630.8
27.5°	3450.9	3462.5	3279.6	2919.7	2739.8	2783.3	3035.8	3151.9	3166.4
30°	3003.9	2998.1	2809.5	2362.5	2124.5	2243.5	2583.1	2710.8	2725.3
32.5°	2594.7	2577.3	2362.5	1828.5	1544.0	1721.1	2168.0	2301.5	2324.8
35°	2202.9	2173.8	1941.7	1352.5	1036.1	1300.2	1811.1	1927.1	1935.9
37.5°	1793.6	1779.1	1596.3	1012.9	722.7	986.8	1477.3	1561.5	1552.7
40°	1413.4	1413.4	1262.5	751.7	502.1	734.3	1169.6	1245.1	1219.0
42.5°	1108.7	1123.2	995.5	554.3	357.0	545.6	925.8	995.5	966.5
45°	893.9	893.9	783.6	412.1	232.2	406.3	731.4	795.2	789.4
47.5°	757.5	745.9	635.6	301.8	127.7	304.7	615.3	693.7	690.8
50°	676.2	658.8	545.6	238.0	90.0	252.5	539.8	612.4	615.3
52.5°	612.4	586.3	490.5	211.9	78.4	220.6	490.5	548.5	548.5
55°	542.7	528.2	441.2	188.7	69.7	197.4	441.2	493.4	490.5
57.5°	458.6	455.7	394.7	171.2	63.9	174.1	394.7	426.6	415.0
60°	374.4	386.0	342.5	153.8	58.0	156.7	336.7	362.8	357.0
62.5°	313.5	328.0	298.9	136.4	49.3	139.3	284.4	310.5	304.7
65°	261.2	272.8	249.6	116.1	43.5	116.1	235.1	258.3	258.3
67.5°	214.8	223.5	206.1	95.8	37.7	95.8	191.6	211.9	214.8
70°	171.2	177.0	162.5	75.5	31.9	78.4	150.9	171.2	171.2
72.5°	133.5	136.4	127.7	60.9	29.0	60.9	116.1	133.5	133.5
75°	95.8	101.6	95.8	46.4	26.1	46.4	90.0	98.7	101.6
77.5°	55.1	69.7	69.7	37.7	20.3	34.8	63.9	66.8	66.8
80°	37.7	43.5	49.3	26.1	14.5	26.1	40.6	43.5	40.6
82.5°	26.1	29.0	29.0	17.4	11.6	17.4	26.1	29.0	26.1
85°	14.5	20.3	20.3	14.5	8.7	11.6	14.5	17.4	14.5
87.5°	8.7	11.6	14.5	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)