

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: P800018

Luminaire Tested: **LD6C70D010 EU6709027 6LBMDSWGPH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P800018
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: LD6C70D010 EU6709027 6LBMDSWGPH
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDSW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

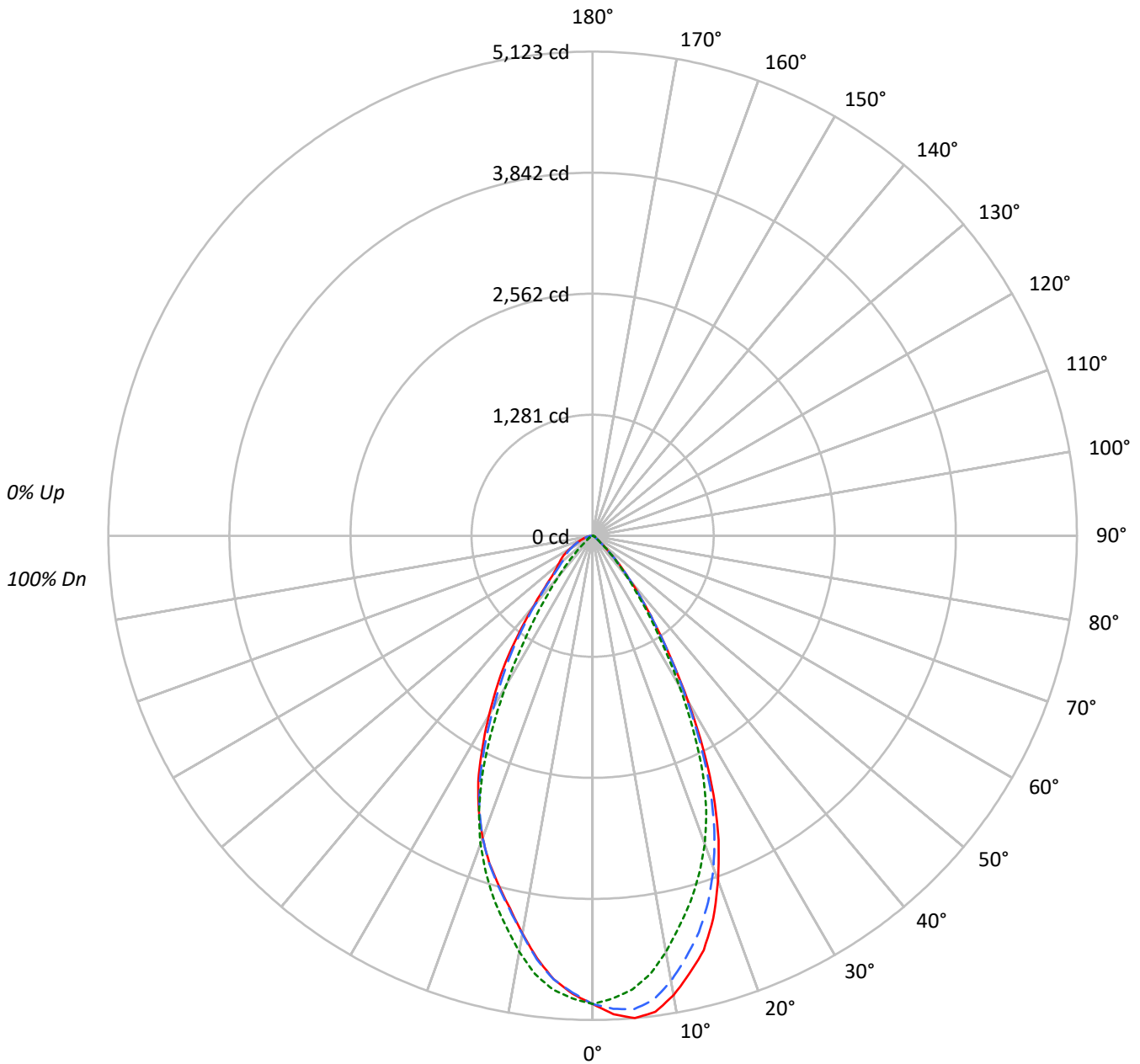
Lumens per Lamp: N/A
Luminaire Lumens: 4265.0 lumens
Efficiency: N/A
Efficacy: 54.7 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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	100	100	100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92	92	92	92
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85	85	85	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78	78	78	78
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73	73	73	73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67	67	67	67
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63	63	63	63
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59	59	59	59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55	55	55	55
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52	52	52	52
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49	49	49	49

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	271563	271563	271563
5°	281894	265193	259195
10°	274683	248748	237805
15°	257618	227294	217470
20°	226160	202347	198479
25°	182914	166237	173085
30°	127165	115796	138528
35°	78374	70938	104547
40°	44355	39760	69430
45°	21537	20545	47385
50°	8204	8204	40280
55°	4492	5314	37170
60°	3278	4221	30458
65°	2776	3606	24944
70°	2404	3077	20548
75°	2266	3177	17644
80°	1357	2683	12817
85°	1321	5346	12077



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	453.5	10.6
10°-20°	1139.8	26.7
20°-30°	1283.1	30.1
30°-40°	794.5	18.6
40°-50°	316.4	7.4
50°-60°	144.0	3.4
60°-70°	82.8	1.9
70°-80°	39.3	0.9
80°-90°	11.5	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°	2876.4	67.4
0°-40°	3671.0	86.1
0°-60°	4131.4	96.9
0°-90°	4265.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4265.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4954	4954	4954	4954	4954	
5°	5123	5028	4819	4714	4710	482
15°	4539	4342	4005	3842	3832	1256
25°	3024	2943	2748	2817	2862	1359
35°	1171	1165	1060	1477	1562	753
45°	278	278	265	577	611	235
55°	47	45	56	342	389	47
65°	21	19	28	190	192	21
75°	11	11	15	81	83	11
85°	2	2	8	19	19	2
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°	4953.7	4953.7	4953.7	4953.7	4953.7	4953.7	4953.7	4953.7	4953.7
2.5°	5067.0	5020.0	5009.3	4968.7	4900.3	4861.8	4838.3	4821.2	4851.2
5°	5122.6	5071.3	5028.5	4945.2	4819.1	4748.6	4714.4	4686.6	4710.1
7.5°	5082.0	5009.3	4951.6	4836.2	4675.9	4566.9	4519.9	4487.9	4509.2
10°	4934.5	4846.9	4780.6	4643.9	4468.6	4338.3	4280.6	4250.6	4272.0
12.5°	4742.2	4669.5	4569.1	4419.5	4231.4	4094.6	4051.9	4028.4	4036.9
15°	4539.2	4453.7	4342.5	4192.9	4004.9	3868.1	3842.5	3827.5	3831.8
17.5°	4244.2	4160.9	4064.7	3919.4	3746.3	3635.2	3635.2	3624.5	3630.9
20°	3876.7	3831.8	3737.7	3615.9	3468.5	3368.0	3400.1	3389.4	3402.2
22.5°	3479.2	3445.0	3363.8	3263.3	3139.4	3060.3	3130.8	3128.7	3145.8
25°	3024.0	2998.3	2942.8	2857.3	2748.3	2699.1	2816.7	2816.7	2861.5
27.5°	2521.8	2496.1	2457.6	2385.0	2295.2	2280.3	2453.4	2474.7	2523.9
30°	2008.9	1991.8	1970.4	1904.1	1829.3	1857.1	2096.5	2132.8	2188.4
32.5°	1551.5	1540.8	1534.4	1474.6	1408.3	1500.2	1773.8	1820.8	1876.4
35°	1171.1	1147.6	1164.7	1119.8	1060.0	1175.4	1476.7	1517.3	1562.2
37.5°	863.4	846.3	861.2	829.2	775.8	901.8	1186.1	1211.7	1241.6
40°	619.8	604.8	617.6	598.4	555.6	673.2	929.6	957.4	970.2
42.5°	440.2	414.6	427.4	412.5	391.1	506.5	730.9	756.5	760.8
45°	277.8	269.3	277.8	269.3	265.0	376.1	577.0	600.5	611.2
47.5°	168.8	158.1	158.1	153.9	158.1	277.8	476.6	510.8	527.9
50°	96.2	91.9	89.8	87.6	96.2	218.0	412.5	450.9	472.3
52.5°	64.1	62.0	62.0	59.8	70.5	183.8	371.9	406.0	427.4
55°	47.0	44.9	44.9	44.9	55.6	158.1	341.9	369.7	388.9
57.5°	36.3	36.3	36.3	34.2	47.0	134.6	305.6	320.6	335.5
60°	29.9	27.8	27.8	27.8	38.5	115.4	262.9	269.3	277.8
62.5°	23.5	23.5	23.5	23.5	32.1	102.6	226.5	226.5	230.8
65°	21.4	19.2	19.2	19.2	27.8	89.8	190.2	188.1	192.3
67.5°	17.1	17.1	17.1	17.1	23.5	76.9	156.0	153.9	158.1
70°	15.0	15.0	15.0	15.0	19.2	64.1	126.1	124.0	128.2
72.5°	12.8	12.8	12.8	12.8	17.1	53.4	100.4	100.4	102.6
75°	10.7	10.7	10.7	10.7	15.0	40.6	81.2	81.2	83.3
77.5°	8.5	8.5	8.5	8.5	10.7	32.1	62.0	59.8	59.8
80°	4.3	6.4	6.4	6.4	8.5	23.5	44.9	40.6	40.6
82.5°	2.1	4.3	4.3	4.3	8.5	17.1	29.9	27.8	27.8
85°	2.1	2.1	2.1	6.4	8.5	12.8	19.2	19.2	19.2
87.5°	0.0	2.1	4.3	8.5	10.7	10.7	12.8	10.7	10.7
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)