

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: P800040

Luminaire Tested: **LD6C70D010 EU6709035 6LBMDDWWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P800040
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 EU6709035 6LBMDDWWH
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

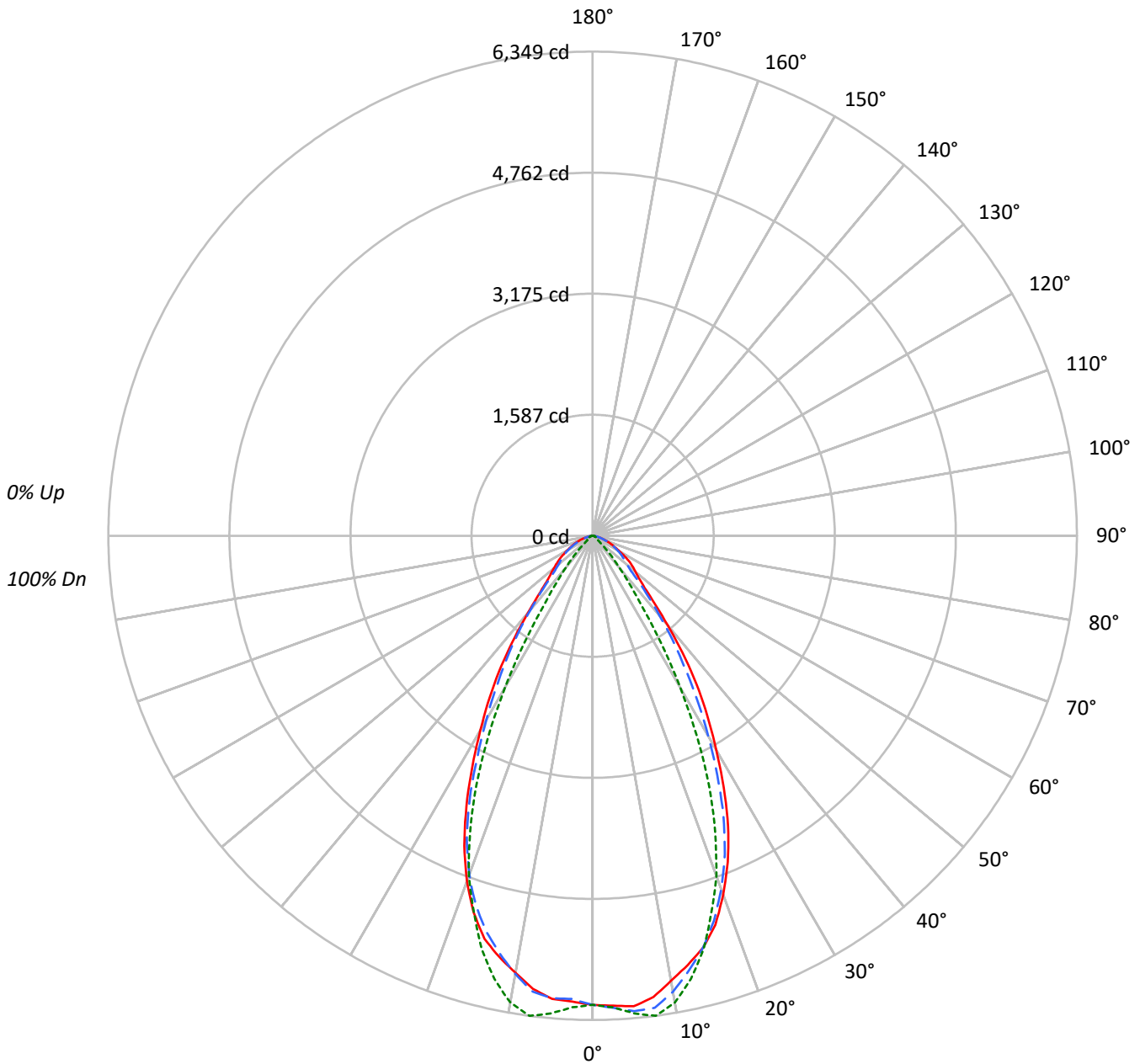
Lumens per Lamp: N/A
Luminaire Lumens: 6263.0 lumens
Efficiency: N/A
Efficacy: 80.3 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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
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°	337248	337248	337248
5°	340776	345943	335438
10°	329737	345935	323986
15°	317357	318600	310609
20°	292077	276746	281127
25°	254198	218232	236784
30°	205013	144991	185997
35°	158942	74760	139675
40°	109054	38737	94048
45°	74721	19405	65984
50°	62181	8273	56578
55°	55931	7178	50541
60°	44262	6863	42201
65°	36528	6084	36126
70°	29588	5514	29588
75°	21880	5973	23193
80°	12849	4925	13828
85°	9812	5913	9812



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	585.6	9.4
10°-20°	1537.0	24.5
20°-30°	1754.4	28.0
30°-40°	1163.5	18.6
40°-50°	561.2	9.0
50°-60°	345.2	5.5
60°-70°	208.9	3.3
70°-80°	87.9	1.4
80°-90°	19.4	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°	3877.0	61.9
0°-40°	5040.5	80.5
0°-60°	5946.9	95.0
0°-90°	6263.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6263.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6152	6152	6152	6152	6152	
5°	6193	6258	6286	6086	6096	582
15°	5592	5592	5614	5376	5473	1558
25°	4202	4062	3608	3818	3915	1906
35°	2375	2093	1117	1953	2087	1469
45°	964	845	250	788	851	786
55°	585	476	75	476	529	514
65°	282	269	47	254	278	283
75°	103	103	28	97	110	110
85°	16	22	9	16	16	20
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°	6151.9	6151.9	6151.9	6151.9	6151.9	6151.9	6151.9	6151.9	6151.9
2.5°	6167.6	6177.0	6195.7	6198.9	6189.5	6130.0	6079.9	6098.7	6114.4
5°	6192.6	6211.4	6258.3	6302.1	6286.5	6186.3	6086.2	6083.1	6095.6
7.5°	6101.9	6145.7	6242.7	6352.2	6349.1	6177.0	6029.9	5992.3	5992.3
10°	5923.5	5964.2	6070.6	6217.6	6214.5	5998.6	5835.9	5817.1	5820.2
12.5°	5763.9	5782.7	5835.9	5951.7	5951.7	5738.9	5613.7	5632.5	5657.5
15°	5591.8	5604.3	5591.8	5629.4	5613.7	5438.5	5375.9	5435.3	5472.9
17.5°	5347.7	5354.0	5288.3	5238.2	5178.8	5069.2	5084.9	5172.5	5181.9
20°	5006.6	5047.3	4928.4	4800.1	4743.8	4640.5	4728.2	4825.2	4818.9
22.5°	4631.1	4678.1	4524.8	4312.0	4196.2	4155.5	4312.0	4399.6	4396.5
25°	4202.5	4236.9	4061.6	3764.4	3607.9	3601.7	3817.6	3908.3	3914.6
27.5°	3720.6	3733.1	3535.9	3147.9	2953.9	3000.9	3273.1	3398.3	3413.9
30°	3238.7	3232.4	3029.0	2547.1	2290.5	2418.8	2784.9	2922.6	2938.3
32.5°	2797.5	2778.7	2547.1	1971.4	1664.7	1855.6	2337.5	2481.4	2506.5
35°	2375.0	2343.7	2093.4	1458.2	1117.1	1401.9	1952.6	2077.8	2087.1
37.5°	1933.8	1918.2	1721.0	1092.1	779.2	1063.9	1592.7	1683.5	1674.1
40°	1523.9	1523.9	1361.2	810.5	541.3	791.7	1261.0	1342.4	1314.2
42.5°	1195.3	1211.0	1073.3	597.7	384.9	588.3	998.2	1073.3	1042.0
45°	963.8	963.8	844.9	444.3	250.3	438.1	788.5	857.4	851.1
47.5°	816.7	804.2	685.3	325.4	137.7	328.6	663.4	747.9	744.7
50°	729.1	710.3	588.3	256.6	97.0	272.2	582.0	660.3	663.4
52.5°	660.3	632.1	528.8	228.4	84.5	237.8	528.8	591.4	591.4
55°	585.2	569.5	475.6	203.4	75.1	212.8	475.6	532.0	528.8
57.5°	494.4	491.3	425.6	184.6	68.8	187.7	425.6	460.0	447.5
60°	403.7	416.2	369.2	165.8	62.6	169.0	363.0	391.1	384.9
62.5°	337.9	353.6	322.3	147.1	53.2	150.2	306.7	334.8	328.6
65°	281.6	294.1	269.1	125.2	46.9	125.2	253.5	278.5	278.5
67.5°	231.6	240.9	222.2	103.3	40.7	103.3	206.5	228.4	231.6
70°	184.6	190.9	175.2	81.4	34.4	84.5	162.7	184.6	184.6
72.5°	143.9	147.1	137.7	65.7	31.3	65.7	125.2	143.9	143.9
75°	103.3	109.5	103.3	50.1	28.2	50.1	97.0	106.4	109.5
77.5°	59.5	75.1	75.1	40.7	21.9	37.5	68.8	72.0	72.0
80°	40.7	46.9	53.2	28.2	15.6	28.2	43.8	46.9	43.8
82.5°	28.2	31.3	31.3	18.8	12.5	18.8	28.2	31.3	28.2
85°	15.6	21.9	21.9	15.6	9.4	12.5	15.6	18.8	15.6
87.5°	9.4	12.5	15.6	12.5	9.4	9.4	9.4	9.4	6.3
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)