

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: P800052

Luminaire Tested: **LD6C70D010 EU6709040 6LBMDDWWH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P800052
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 6LBMDDWWH
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

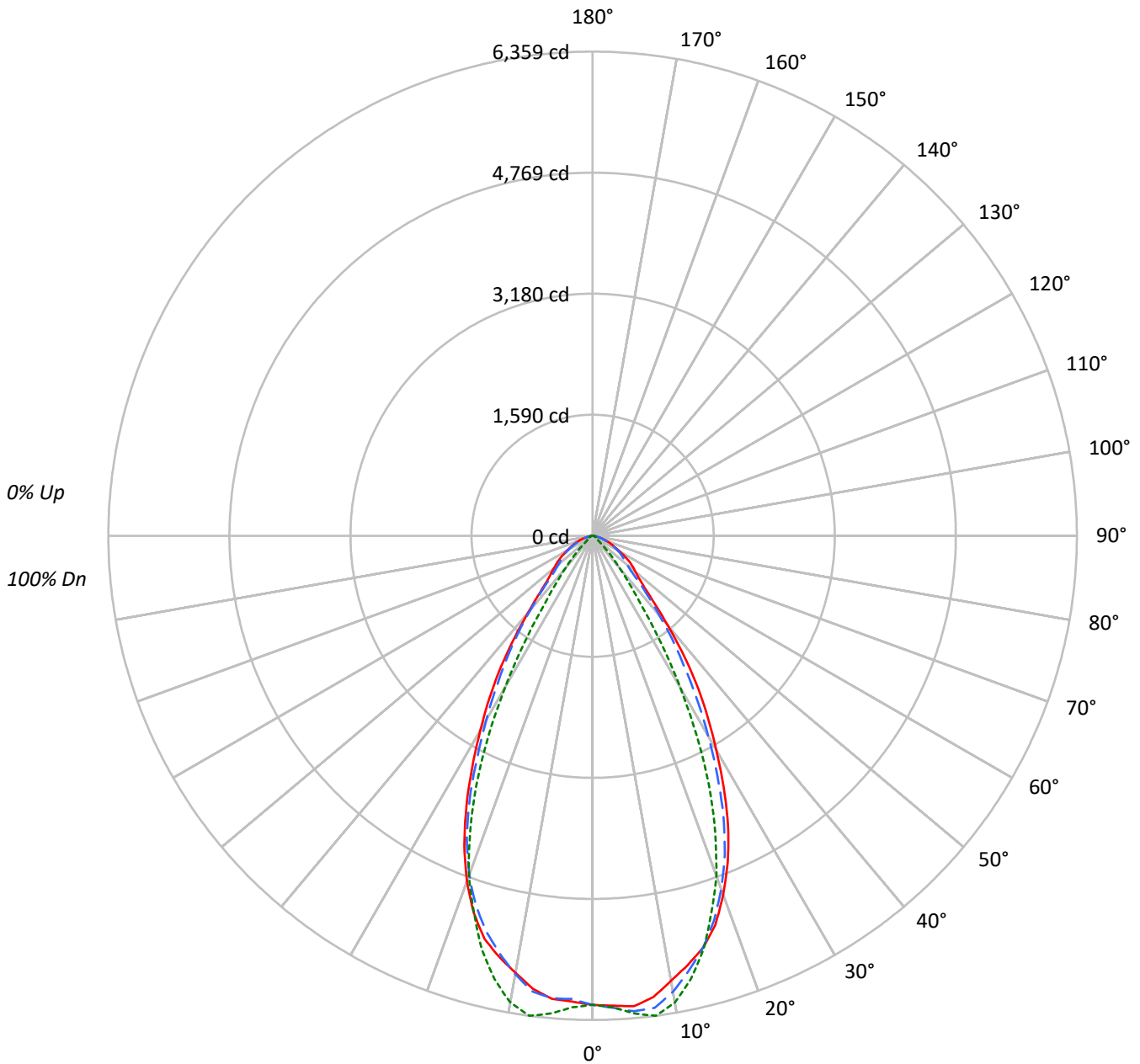
Lumens per Lamp: N/A
Luminaire Lumens: 6273.0 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	337785	337785	337785
5°	341321	346494	335972
10°	330260	346487	324504
15°	317862	319111	311103
20°	292544	277189	281576
25°	254603	218583	237159
30°	205335	145225	186294
35°	159197	74880	139903
40°	109226	38801	94198
45°	74837	19436	66092
50°	62284	8290	56663
55°	56017	7187	50627
60°	44328	6874	42266
65°	36593	6097	36178
70°	29636	5530	29636
75°	21901	5973	23235
80°	12849	4956	13859
85°	9875	5913	9875



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	586.5	9.4
10°-20°	1539.5	24.5
20°-30°	1757.2	28.0
30°-40°	1165.3	18.6
40°-50°	562.1	9.0
50°-60°	345.7	5.5
60°-70°	209.2	3.3
70°-80°	88.0	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°	3883.2	61.9
0°-40°	5048.5	80.5
0°-60°	5956.3	95.0
0°-90°	6273.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6273.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6162	6162	6162	6162	6162	
5°	6202	6268	6296	6096	6105	583
15°	5601	5601	5623	5384	5482	1561
25°	4209	4068	3614	3824	3921	1909
35°	2379	2097	1119	1956	2090	1471
45°	965	846	251	790	852	787
55°	586	476	75	476	530	515
65°	282	270	47	254	279	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°	6161.7	6161.7	6161.7	6161.7	6161.7	6161.7	6161.7	6161.7	6161.7
2.5°	6177.4	6186.8	6205.6	6208.8	6199.4	6139.8	6089.7	6108.5	6124.1
5°	6202.5	6221.3	6268.3	6312.2	6296.5	6196.2	6095.9	6092.8	6105.3
7.5°	6111.6	6155.5	6252.6	6362.3	6359.2	6186.8	6039.5	6001.9	6001.9
10°	5932.9	5973.7	6080.3	6227.6	6224.4	6008.2	5845.2	5826.4	5829.5
12.5°	5773.1	5791.9	5845.2	5961.2	5961.2	5748.0	5622.7	5641.5	5666.5
15°	5600.7	5613.3	5600.7	5638.3	5622.7	5447.2	5384.5	5444.0	5481.6
17.5°	5356.3	5362.5	5296.7	5246.6	5187.0	5077.3	5093.0	5180.8	5190.2
20°	5014.6	5055.4	4936.3	4807.8	4751.4	4647.9	4735.7	4832.9	4826.6
22.5°	4638.5	4685.6	4532.0	4318.9	4202.9	4162.2	4318.9	4406.6	4403.5
25°	4209.2	4243.6	4068.1	3770.4	3613.7	3607.4	3823.7	3914.6	3920.8
27.5°	3726.5	3739.0	3541.6	3153.0	2958.6	3005.7	3278.3	3403.7	3419.4
30°	3243.8	3237.6	3033.9	2551.2	2294.2	2422.7	2789.4	2927.3	2943.0
32.5°	2801.9	2783.1	2551.2	1974.5	1667.4	1858.6	2341.2	2485.4	2510.5
35°	2378.8	2347.5	2096.7	1460.5	1118.9	1404.1	1955.7	2081.1	2090.5
37.5°	1936.9	1921.2	1723.8	1093.8	780.4	1065.6	1595.3	1686.2	1676.8
40°	1526.3	1526.3	1363.4	811.7	542.2	792.9	1263.1	1344.6	1316.3
42.5°	1197.2	1212.9	1075.0	598.6	385.5	589.2	999.8	1075.0	1043.7
45°	965.3	965.3	846.2	445.0	250.7	438.8	789.8	858.8	852.5
47.5°	818.0	805.5	686.4	326.0	137.9	329.1	664.4	749.1	745.9
50°	730.3	711.5	589.2	257.0	97.2	272.7	583.0	661.3	664.4
52.5°	661.3	633.1	529.7	228.8	84.6	238.2	529.7	592.4	592.4
55°	586.1	570.4	476.4	203.7	75.2	213.1	476.4	532.8	529.7
57.5°	495.2	492.1	426.2	184.9	69.0	188.0	426.2	460.7	448.2
60°	404.3	416.8	369.8	166.1	62.7	169.2	363.6	391.8	385.5
62.5°	338.5	354.2	322.8	147.3	53.3	150.4	307.1	335.4	329.1
65°	282.1	294.6	269.5	125.4	47.0	125.4	253.9	278.9	278.9
67.5°	231.9	241.3	222.5	103.4	40.7	103.4	206.9	228.8	231.9
70°	184.9	191.2	175.5	81.5	34.5	84.6	163.0	184.9	184.9
72.5°	144.2	147.3	137.9	65.8	31.3	65.8	125.4	144.2	144.2
75°	103.4	109.7	103.4	50.1	28.2	50.1	97.2	106.6	109.7
77.5°	59.5	75.2	75.2	40.7	21.9	37.6	69.0	72.1	72.1
80°	40.7	47.0	53.3	28.2	15.7	28.2	43.9	47.0	43.9
82.5°	28.2	31.3	31.3	18.8	12.5	18.8	28.2	31.3	28.2
85°	15.7	21.9	21.9	15.7	9.4	12.5	15.7	18.8	15.7
87.5°	9.4	12.5	15.7	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)