

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: P800035

Luminaire Tested: **LD6C70D010 EU6709030 6LBMDSWWMH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P800035
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 EU6709030 6LBMDSWWMH
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

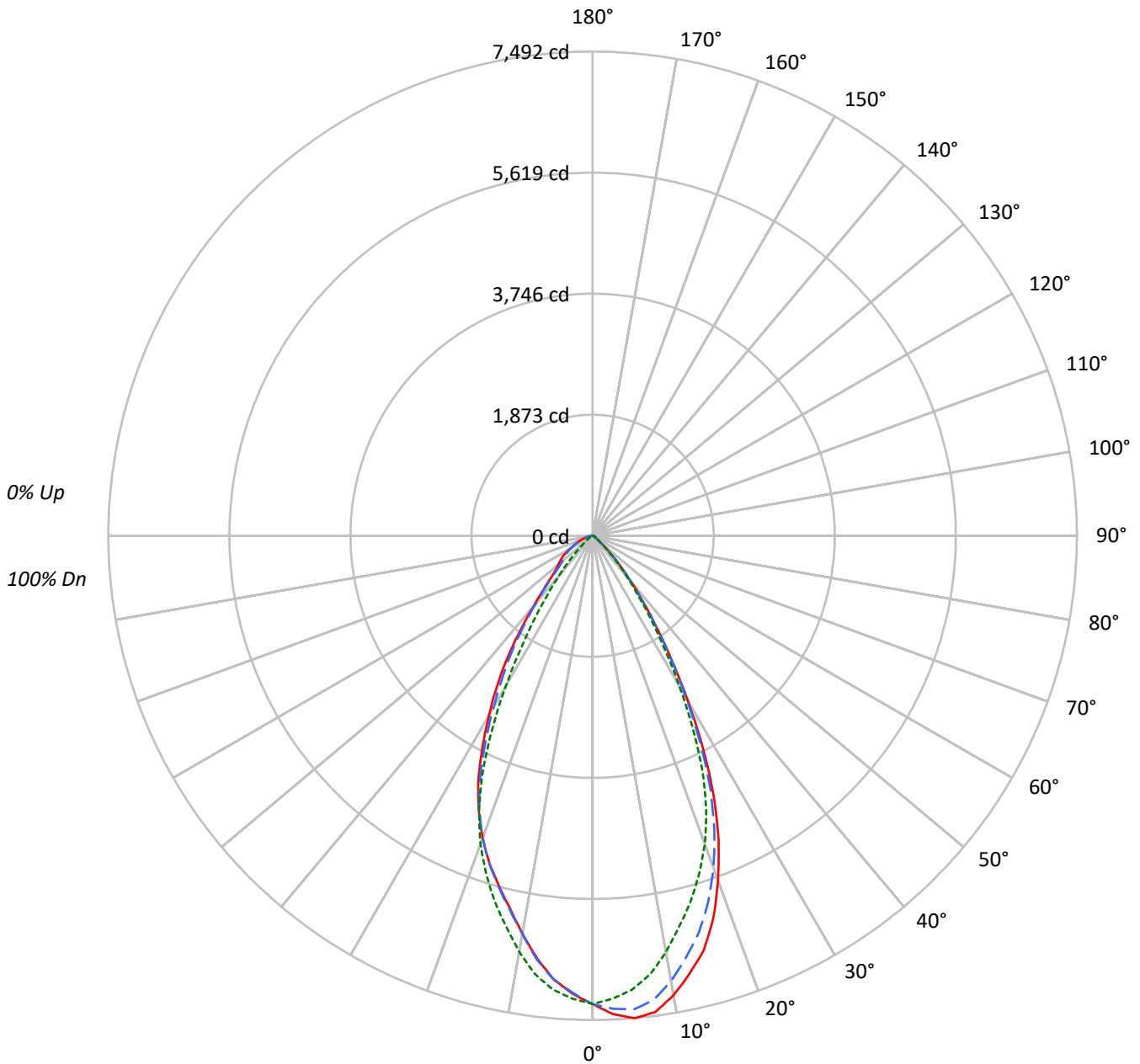
Lumens per Lamp: N/A
Luminaire Lumens: 6238.0 lumens
Efficiency: N/A
Efficacy: 80.0 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	397194	397194	397194
5°	412298	387870	379099
10°	401752	363821	347817
15°	376790	332437	318072
20°	330779	295951	290298
25°	267530	243135	253158
30°	185991	169368	202607
35°	114633	103751	152913
40°	64872	58159	101555
45°	31499	30050	69302
50°	12000	12000	58915
55°	6576	7770	54373
60°	4802	6173	44547
65°	4060	5266	36489
70°	3510	4504	30053
75°	3304	4639	25820
80°	1989	3946	18752
85°	1950	7862	17675



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	663.3	10.6
10°-20°	1667.1	26.7
20°-30°	1876.7	30.1
30°-40°	1162.1	18.6
40°-50°	462.8	7.4
50°-60°	210.7	3.4
60°-70°	121.1	1.9
70°-80°	57.5	0.9
80°-90°	16.8	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°	4207.1	67.4
0°-40°	5369.1	86.1
0°-60°	6042.6	96.9
0°-90°	6238.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6238.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	7245	7245	7245	7245	7245	
5°	7492	7355	7048	6895	6889	706
15°	6639	6351	5858	5620	5604	1837
25°	4423	4304	4020	4120	4185	1988
35°	1713	1704	1550	2160	2285	1101
45°	406	406	388	844	894	344
55°	69	66	81	500	569	68
65°	31	28	41	278	281	31
75°	16	16	22	119	122	16
85°	3	3	12	28	28	3
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°	7245.4	7245.4	7245.4	7245.4	7245.4	7245.4	7245.4	7245.4	7245.4
2.5°	7411.0	7342.3	7326.6	7267.2	7167.2	7111.0	7076.6	7051.6	7095.3
5°	7492.3	7417.3	7354.8	7232.9	7048.4	6945.3	6895.3	6854.6	6889.0
7.5°	7432.9	7326.6	7242.2	7073.4	6839.0	6679.6	6610.8	6564.0	6595.2
10°	7217.2	7089.1	6992.2	6792.1	6535.8	6345.2	6260.8	6217.0	6248.3
12.5°	6935.9	6829.6	6682.7	6463.9	6188.9	5988.8	5926.3	5891.9	5904.4
15°	6639.0	6513.9	6351.4	6132.6	5857.5	5657.5	5620.0	5598.1	5604.4
17.5°	6207.6	6085.7	5945.1	5732.5	5479.3	5316.8	5316.8	5301.2	5310.6
20°	5670.0	5604.4	5466.8	5288.7	5073.0	4926.1	4973.0	4957.3	4976.1
22.5°	5088.6	5038.6	4919.8	4772.9	4591.6	4476.0	4579.1	4576.0	4601.0
25°	4422.9	4385.3	4304.1	4179.1	4019.6	3947.8	4119.7	4119.7	4185.3
27.5°	3688.3	3650.8	3594.5	3488.3	3357.0	3335.1	3588.3	3619.6	3691.4
30°	2938.2	2913.1	2881.9	2785.0	2675.6	2716.2	3066.3	3119.4	3200.7
32.5°	2269.3	2253.6	2244.2	2156.7	2059.8	2194.2	2594.3	2663.1	2744.4
35°	1712.9	1678.5	1703.5	1637.9	1550.3	1719.1	2159.9	2219.2	2284.9
37.5°	1262.8	1237.8	1259.7	1212.8	1134.6	1319.0	1734.8	1772.3	1816.0
40°	906.5	884.6	903.3	875.2	812.7	984.6	1359.7	1400.3	1419.1
42.5°	643.9	606.4	625.1	603.3	572.0	740.8	1069.0	1106.5	1112.7
45°	406.3	393.8	406.3	393.8	387.6	550.1	843.9	878.3	893.9
47.5°	246.9	231.3	231.3	225.0	231.3	406.3	697.0	747.0	772.0
50°	140.7	134.4	131.3	128.2	140.7	318.8	603.3	659.5	690.8
52.5°	93.8	90.6	90.6	87.5	103.1	268.8	543.9	593.9	625.1
55°	68.8	65.6	65.6	65.6	81.3	231.3	500.1	540.7	568.9
57.5°	53.1	53.1	53.1	50.0	68.8	196.9	447.0	468.9	490.7
60°	43.8	40.6	40.6	40.6	56.3	168.8	384.5	393.8	406.3
62.5°	34.4	34.4	34.4	34.4	46.9	150.0	331.3	331.3	337.6
65°	31.3	28.1	28.1	28.1	40.6	131.3	278.2	275.1	281.3
67.5°	25.0	25.0	25.0	25.0	34.4	112.5	228.2	225.0	231.3
70°	21.9	21.9	21.9	21.9	28.1	93.8	184.4	181.3	187.5
72.5°	18.8	18.8	18.8	18.8	25.0	78.1	146.9	146.9	150.0
75°	15.6	15.6	15.6	15.6	21.9	59.4	118.8	118.8	121.9
77.5°	12.5	12.5	12.5	12.5	15.6	46.9	90.6	87.5	87.5
80°	6.3	9.4	9.4	9.4	12.5	34.4	65.6	59.4	59.4
82.5°	3.1	6.3	6.3	6.3	12.5	25.0	43.8	40.6	40.6
85°	3.1	3.1	3.1	9.4	12.5	18.8	28.1	28.1	28.1
87.5°	0.0	3.1	6.3	12.5	15.6	15.6	18.8	15.6	15.6
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)