

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: P800039

Luminaire Tested: **LD6C70D010 EU6709035 6LBMDDWMW**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P800039
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 6LBMDDWMW
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDDW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

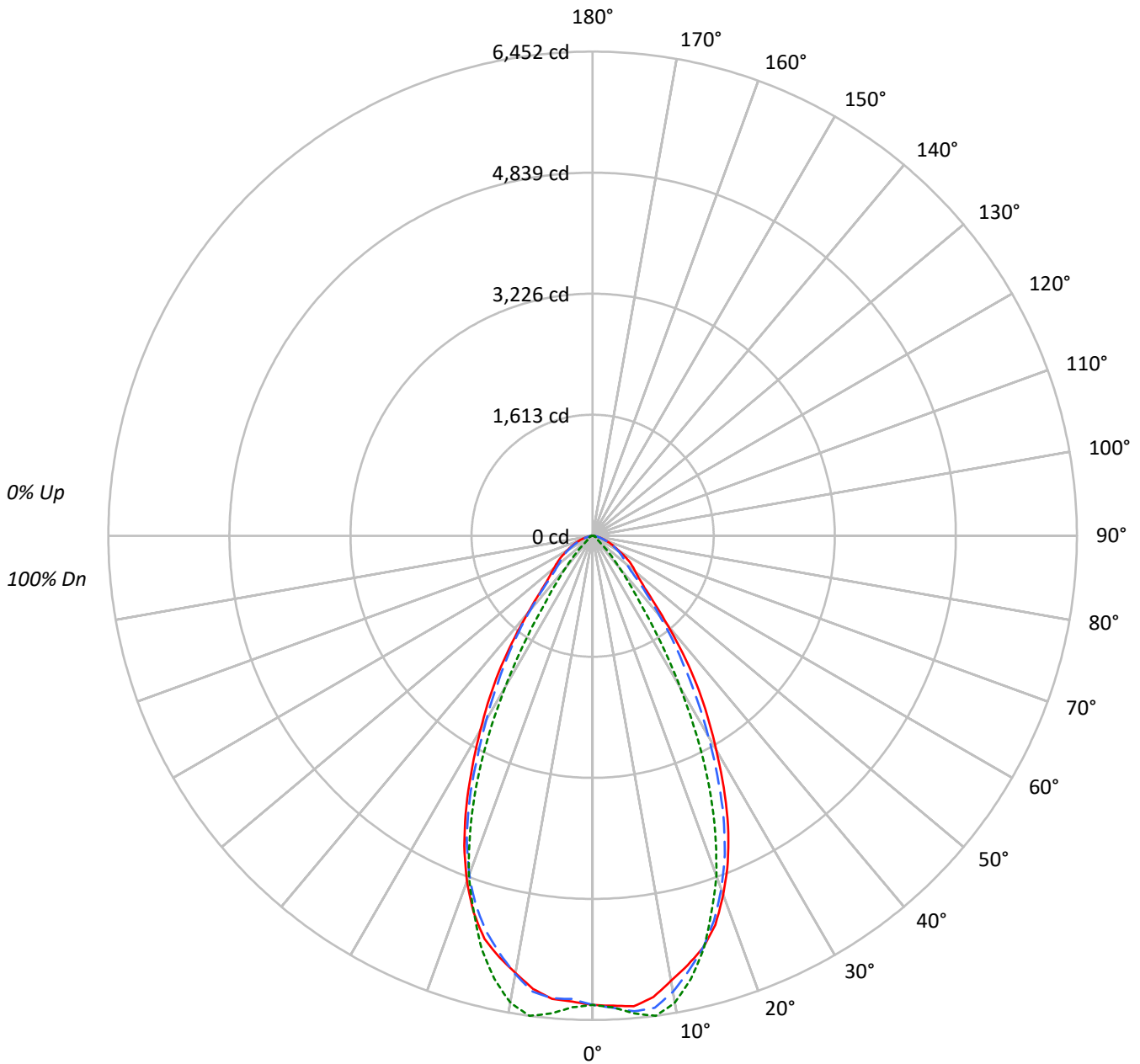
Lumens per Lamp: N/A
Luminaire Lumens: 6365.0 lumens
Efficiency: N/A
Efficacy: 81.6 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P800039

CATALOG NUMBER: LD6C70D010 EU6709035 6LBMDDWMW

Luminous Intensity Polar Plot





TEST NUMBER: P800039

CATALOG NUMBER: LD6C70D010 EU6709035 6LBMDDWMW

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°	342741	342741	342741
5°	346329	351578	340903
10°	335108	351569	329264
15°	322527	323787	315666
20°	296837	281255	285707
25°	258335	221789	240637
30°	208349	147352	189023
35°	161532	75978	141951
40°	110829	39374	95579
45°	75938	19723	67061
50°	63196	8409	57499
55°	56839	7292	51363
60°	44974	6973	42891
65°	37125	6187	36710
70°	30069	5610	30069
75°	22219	6058	23574
80°	13038	5020	14049
85°	10001	5975	10001



TEST NUMBER: P800039

CATALOG NUMBER: LD6C70D010 EU6709035 6LBMDDWMW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	595.1	9.4
10°-20°	1562.0	24.5
20°-30°	1783.0	28.0
30°-40°	1182.4	18.6
40°-50°	570.3	9.0
50°-60°	350.8	5.5
60°-70°	212.3	3.3
70°-80°	89.3	1.4
80°-90°	19.7	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°	3940.2	61.9
0°-40°	5122.6	80.5
0°-60°	6043.7	95.0
0°-90°	6365.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6365.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6252	6252	6252	6252	6252	
5°	6294	6360	6389	6185	6195	591
15°	5683	5683	5705	5463	5562	1584
25°	4271	4128	3667	3880	3978	1937
35°	2414	2128	1135	1984	2121	1493
45°	980	859	254	801	865	799
55°	595	483	76	483	537	523
65°	286	274	48	258	283	287
75°	105	105	29	99	111	112
85°	16	22	10	16	16	20
90°	0	0	0	0	0	



TEST NUMBER: P800039

CATALOG NUMBER: LD6C70D010 EU6709035 6LBMDDWMW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	6252.1	6252.1	6252.1	6252.1	6252.1	6252.1	6252.1	6252.1	6252.1
2.5°	6268.0	6277.6	6296.6	6299.8	6290.3	6229.8	6179.0	6198.0	6213.9
5°	6293.5	6312.5	6360.2	6404.8	6388.9	6287.1	6185.3	6182.1	6194.9
7.5°	6201.2	6245.7	6344.3	6455.6	6452.5	6277.6	6128.1	6089.9	6089.9
10°	6020.0	6061.3	6169.4	6318.9	6315.7	6096.3	5930.9	5911.8	5915.0
12.5°	5857.8	5876.9	5930.9	6048.6	6048.6	5832.3	5705.1	5724.2	5749.7
15°	5682.9	5695.6	5682.9	5721.0	5705.1	5527.0	5463.4	5523.9	5562.0
17.5°	5434.8	5441.2	5374.4	5323.5	5263.1	5151.8	5167.7	5256.7	5266.3
20°	5088.2	5129.5	5008.7	4878.3	4821.1	4716.1	4805.2	4903.7	4897.4
22.5°	4706.6	4754.3	4598.4	4382.2	4264.5	4223.2	4382.2	4471.2	4468.1
25°	4270.9	4305.9	4127.8	3825.7	3666.7	3660.3	3879.7	3972.0	3978.3
27.5°	3781.2	3793.9	3593.5	3199.2	3002.0	3049.7	3326.4	3453.6	3469.5
30°	3291.4	3285.1	3078.4	2588.6	2327.8	2458.2	2830.3	2970.2	2986.1
32.5°	2843.0	2823.9	2588.6	2003.5	1691.8	1885.8	2375.5	2521.8	2547.3
35°	2413.7	2381.9	2127.5	1481.9	1135.3	1424.7	1984.4	2111.6	2121.1
37.5°	1965.3	1949.4	1749.1	1109.9	791.8	1081.2	1618.7	1710.9	1701.4
40°	1548.7	1548.7	1383.4	823.7	550.2	804.6	1281.6	1364.3	1335.6
42.5°	1214.8	1230.7	1090.8	607.4	391.2	597.9	1014.5	1090.8	1059.0
45°	979.5	979.5	858.6	451.6	254.4	445.2	801.4	871.4	865.0
47.5°	830.0	817.3	696.4	330.7	139.9	333.9	674.2	760.0	756.9
50°	741.0	721.9	597.9	260.8	98.6	276.7	591.5	671.0	674.2
52.5°	671.0	642.4	537.4	232.1	85.9	241.7	537.4	601.0	601.0
55°	594.7	578.8	483.4	206.7	76.3	216.2	483.4	540.6	537.4
57.5°	502.5	499.3	432.5	187.6	70.0	190.8	432.5	467.5	454.8
60°	410.2	423.0	375.3	168.5	63.6	171.7	368.9	397.5	391.2
62.5°	343.5	359.4	327.6	149.5	54.1	152.6	311.7	340.3	333.9
65°	286.2	298.9	273.5	127.2	47.7	127.2	257.6	283.0	283.0
67.5°	235.3	244.9	225.8	104.9	41.3	104.9	209.9	232.1	235.3
70°	187.6	194.0	178.1	82.7	35.0	85.9	165.4	187.6	187.6
72.5°	146.3	149.5	139.9	66.8	31.8	66.8	127.2	146.3	146.3
75°	104.9	111.3	104.9	50.9	28.6	50.9	98.6	108.1	111.3
77.5°	60.4	76.3	76.3	41.3	22.3	38.2	70.0	73.1	73.1
80°	41.3	47.7	54.1	28.6	15.9	28.6	44.5	47.7	44.5
82.5°	28.6	31.8	31.8	19.1	12.7	19.1	28.6	31.8	28.6
85°	15.9	22.3	22.3	15.9	9.5	12.7	15.9	19.1	15.9
87.5°	9.5	12.7	15.9	12.7	9.5	9.5	9.5	9.5	6.4
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)