

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: P800022

Luminaire Tested: **LD6C70D010 EU6709027 6LBMDSWWH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P800022
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 6LBMDSWWH
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

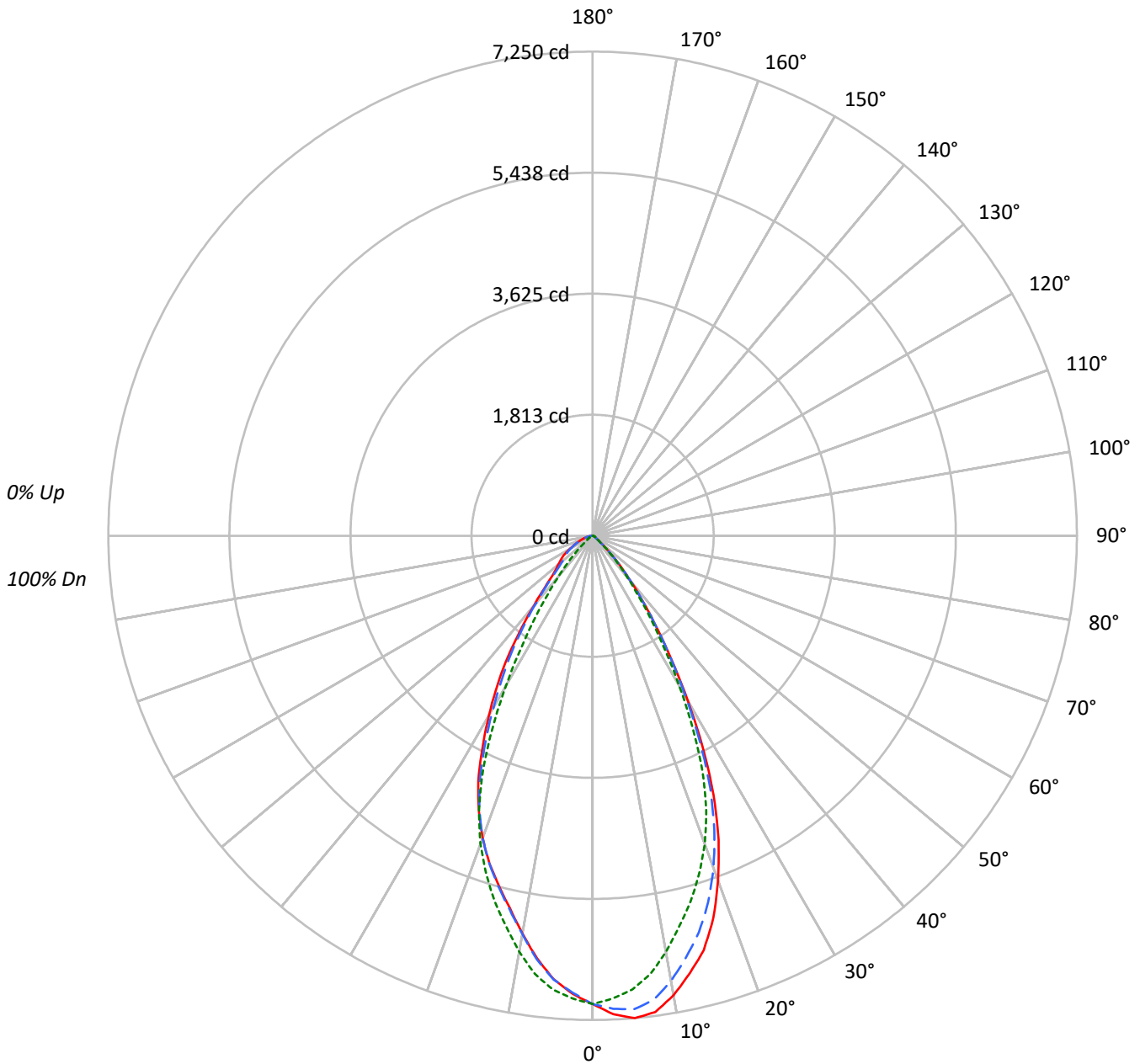
Lumens per Lamp: N/A
Luminaire Lumens: 6036.0 lumens
Efficiency: N/A
Efficacy: 77.4 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	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°	384328	384328	384328
5°	398948	375313	366822
10°	388743	352042	336550
15°	364588	321676	307771
20°	320068	286366	280899
25°	258862	235266	244962
30°	179964	163886	196049
35°	110918	100391	147960
40°	62768	56277	98263
45°	30484	29073	67061
50°	11607	11607	57005
55°	6356	7512	52615
60°	4638	5964	43111
65°	3917	5098	35309
70°	3398	4360	29091
75°	3198	4490	24993
80°	1894	3820	18153
85°	1887	7611	17109



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	641.8	10.6
10°-20°	1613.1	26.7
20°-30°	1815.9	30.1
30°-40°	1124.4	18.6
40°-50°	447.8	7.4
50°-60°	203.9	3.4
60°-70°	117.2	1.9
70°-80°	55.6	0.9
80°-90°	16.2	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°	4070.8	67.4
0°-40°	5195.3	86.1
0°-60°	5846.9	96.9
0°-90°	6036.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6036.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	7011	7011	7011	7011	7011	
5°	7250	7117	6820	6672	6666	683
15°	6424	6146	5668	5438	5423	1777
25°	4280	4165	3890	3986	4050	1924
35°	1657	1648	1500	2090	2211	1065
45°	393	393	375	817	865	333
55°	66	64	79	484	550	66
65°	30	27	39	269	272	30
75°	15	15	21	115	118	16
85°	3	3	12	27	27	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°	7010.7	7010.7	7010.7	7010.7	7010.7	7010.7	7010.7	7010.7	7010.7
2.5°	7171.0	7104.5	7089.4	7031.9	6935.1	6880.7	6847.4	6823.2	6865.6
5°	7249.7	7177.1	7116.6	6998.6	6820.2	6720.4	6672.0	6632.7	6665.9
7.5°	7192.2	7089.4	7007.7	6844.4	6617.6	6463.3	6396.8	6351.4	6381.6
10°	6983.5	6859.5	6765.8	6572.2	6324.2	6139.7	6058.0	6015.7	6045.9
12.5°	6711.3	6608.5	6466.3	6254.6	5988.5	5794.9	5734.4	5701.1	5713.2
15°	6424.0	6303.0	6145.7	5934.0	5667.9	5474.3	5438.0	5416.8	5422.9
17.5°	6006.6	5888.7	5752.6	5546.9	5301.9	5144.6	5144.6	5129.5	5138.6
20°	5486.4	5422.9	5289.8	5117.4	4908.7	4766.6	4811.9	4796.8	4815.0
22.5°	4923.8	4875.5	4760.5	4618.4	4443.0	4331.1	4430.9	4427.8	4452.0
25°	4279.6	4243.3	4164.7	4043.7	3889.5	3819.9	3986.3	3986.3	4049.8
27.5°	3568.9	3532.6	3478.1	3375.3	3248.3	3227.1	3472.1	3502.3	3571.9
30°	2843.0	2818.8	2788.6	2694.8	2589.0	2628.3	2967.0	3018.4	3097.1
32.5°	2195.8	2180.6	2171.6	2086.9	1993.1	2123.2	2510.3	2576.9	2655.5
35°	1657.4	1624.1	1648.3	1584.8	1500.1	1663.5	2089.9	2147.4	2210.9
37.5°	1221.9	1197.7	1218.9	1173.5	1097.9	1276.3	1678.6	1714.9	1757.2
40°	877.1	855.9	874.1	846.9	786.4	952.7	1315.6	1355.0	1373.1
42.5°	623.0	586.7	604.9	583.7	553.5	716.8	1034.4	1070.7	1076.7
45°	393.2	381.1	393.2	381.1	375.0	532.3	816.6	849.9	865.0
47.5°	238.9	223.8	223.8	217.8	223.8	393.2	674.5	722.8	747.0
50°	136.1	130.1	127.0	124.0	136.1	308.5	583.7	638.2	668.4
52.5°	90.7	87.7	87.7	84.7	99.8	260.1	526.3	574.7	604.9
55°	66.5	63.5	63.5	63.5	78.6	223.8	483.9	523.2	550.5
57.5°	51.4	51.4	51.4	48.4	66.5	190.5	432.5	453.7	474.8
60°	42.3	39.3	39.3	39.3	54.4	163.3	372.0	381.1	393.2
62.5°	33.3	33.3	33.3	33.3	45.4	145.2	320.6	320.6	326.6
65°	30.2	27.2	27.2	27.2	39.3	127.0	269.2	266.2	272.2
67.5°	24.2	24.2	24.2	24.2	33.3	108.9	220.8	217.8	223.8
70°	21.2	21.2	21.2	21.2	27.2	90.7	178.4	175.4	181.5
72.5°	18.1	18.1	18.1	18.1	24.2	75.6	142.2	142.2	145.2
75°	15.1	15.1	15.1	15.1	21.2	57.5	114.9	114.9	118.0
77.5°	12.1	12.1	12.1	12.1	15.1	45.4	87.7	84.7	84.7
80°	6.0	9.1	9.1	9.1	12.1	33.3	63.5	57.5	57.5
82.5°	3.0	6.0	6.0	6.0	12.1	24.2	42.3	39.3	39.3
85°	3.0	3.0	3.0	9.1	12.1	18.1	27.2	27.2	27.2
87.5°	0.0	3.0	6.0	12.1	15.1	15.1	18.1	15.1	15.1
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)