

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: P800015

Luminaire Tested: **LD6C70D010 EU6709027 6LBMDDWMW**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P800015
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 EU6709027 6LBMDDWMW
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDDW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

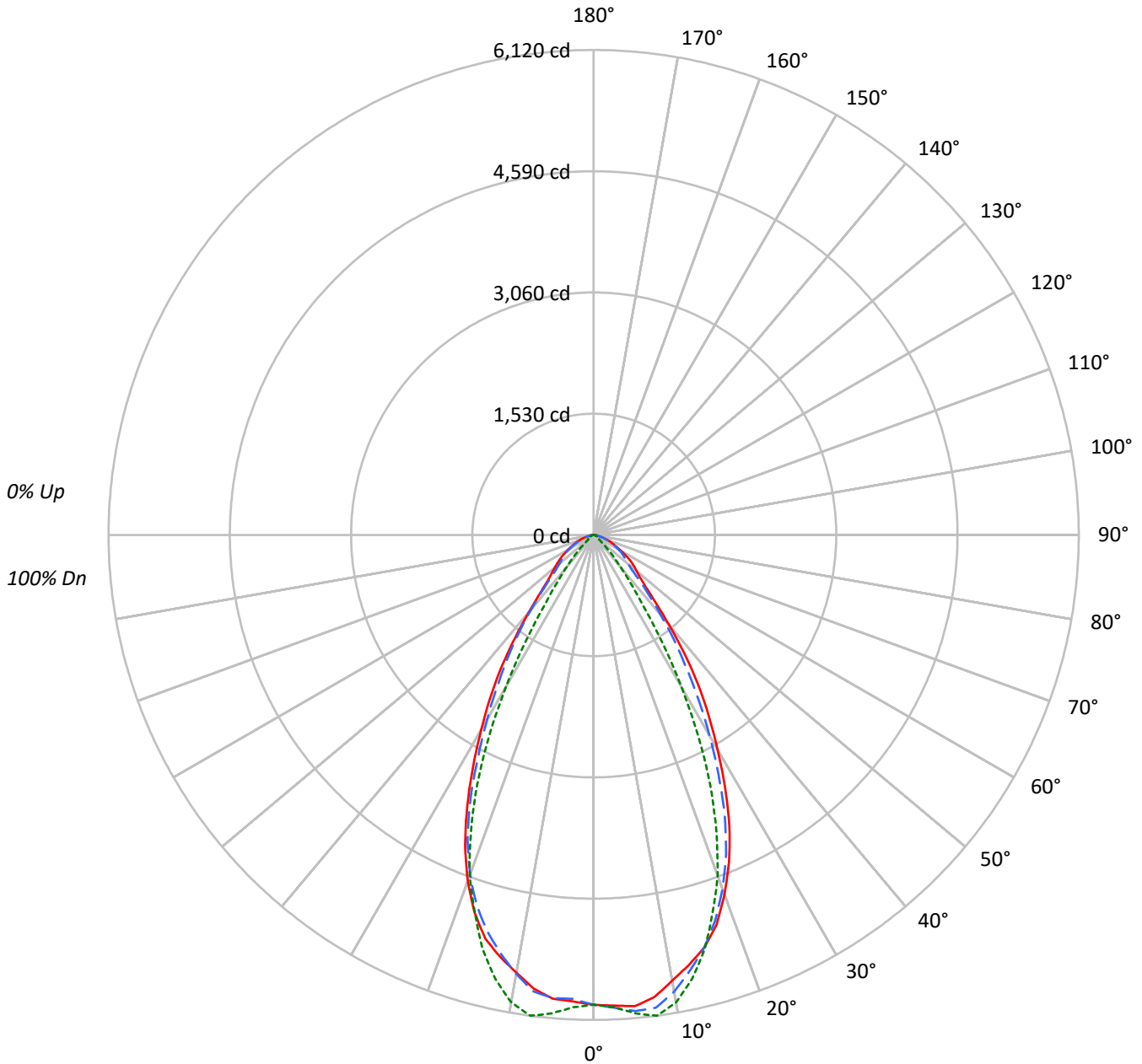
Lumens per Lamp: N/A
Luminaire Lumens: 6037.0 lumens
Efficiency: N/A
Efficacy: 77.4 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P800015

CATALOG NUMBER: LD6C70D010 EU6709027 6LBMDDWMW

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°	325078	325078	325078
5°	328477	333457	323332
10°	317835	333455	312297
15°	305904	307102	299400
20°	281541	266758	270982
25°	245022	210357	228237
30°	197613	139762	179281
35°	153207	72063	134636
40°	105118	37341	90656
45°	72023	18707	63604
50°	59938	7974	54531
55°	53905	6920	48715
60°	42661	6611	40677
65°	35218	5863	34816
70°	28530	5321	28530
75°	21075	5740	22367
80°	12375	4767	13322
85°	9498	5661	9498



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	564.5	9.4
10°-20°	1481.5	24.5
20°-30°	1691.1	28.0
30°-40°	1121.5	18.6
40°-50°	540.9	9.0
50°-60°	332.7	5.5
60°-70°	201.3	3.3
70°-80°	84.7	1.4
80°-90°	18.7	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°	3737.1	61.9
0°-40°	4858.6	80.5
0°-60°	5732.3	95.0
0°-90°	6037.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6037.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5930	5930	5930	5930	5930	
5°	5969	6032	6060	5867	5876	561
15°	5390	5390	5411	5182	5275	1502
25°	4051	3915	3478	3680	3773	1837
35°	2289	2018	1077	1882	2012	1416
45°	929	814	241	760	820	758
55°	564	458	72	458	510	496
65°	272	259	45	244	268	273
75°	100	100	27	94	106	106
85°	15	21	9	15	15	19
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°	5929.9	5929.9	5929.9	5929.9	5929.9	5929.9	5929.9	5929.9	5929.9
2.5°	5945.0	5954.1	5972.2	5975.2	5966.1	5908.8	5860.6	5878.7	5893.7
5°	5969.1	5987.2	6032.5	6074.7	6059.6	5963.1	5866.6	5863.6	5875.6
7.5°	5881.7	5923.9	6017.4	6123.0	6120.0	5954.1	5812.3	5776.1	5776.1
10°	5709.7	5749.0	5851.5	5993.3	5990.3	5782.1	5625.3	5607.2	5610.2
12.5°	5555.9	5574.0	5625.3	5736.9	5736.9	5531.8	5411.1	5429.2	5453.4
15°	5390.0	5402.1	5390.0	5426.2	5411.1	5242.2	5181.9	5239.2	5275.4
17.5°	5154.8	5160.8	5097.4	5049.2	4991.9	4886.3	4901.4	4985.8	4994.9
20°	4826.0	4865.2	4750.6	4626.9	4572.6	4473.1	4557.5	4651.0	4645.0
22.5°	4464.0	4509.3	4361.5	4156.4	4044.8	4005.6	4156.4	4240.8	4237.8
25°	4050.8	4084.0	3915.1	3628.5	3477.7	3471.7	3679.8	3767.3	3773.3
27.5°	3586.3	3598.4	3408.4	3034.3	2847.3	2892.6	3155.0	3275.6	3290.7
30°	3121.8	3115.8	2919.7	2455.2	2207.9	2331.6	2684.5	2817.2	2832.2
32.5°	2696.5	2678.4	2455.2	1900.2	1604.6	1788.6	2253.1	2391.9	2416.0
35°	2289.3	2259.2	2017.9	1405.6	1076.8	1351.3	1882.1	2002.8	2011.8
37.5°	1864.0	1849.0	1658.9	1052.7	751.0	1025.5	1535.3	1622.7	1613.7
40°	1468.9	1468.9	1312.1	781.2	521.8	763.1	1215.5	1294.0	1266.8
42.5°	1152.2	1167.3	1034.6	576.1	371.0	567.1	962.2	1034.6	1004.4
45°	929.0	929.0	814.4	428.3	241.3	422.3	760.1	826.4	820.4
47.5°	787.2	775.2	660.6	313.7	132.7	316.7	639.4	720.9	717.9
50°	702.8	684.7	567.1	247.3	93.5	262.4	561.0	636.4	639.4
52.5°	636.4	609.3	509.7	220.2	81.4	229.2	509.7	570.1	570.1
55°	564.0	549.0	458.5	196.1	72.4	205.1	458.5	512.8	509.7
57.5°	476.6	473.5	410.2	178.0	66.4	181.0	410.2	443.4	431.3
60°	389.1	401.2	355.9	159.9	60.3	162.9	349.9	377.0	371.0
62.5°	325.8	340.8	310.7	141.8	51.3	144.8	295.6	322.7	316.7
65°	271.5	283.5	259.4	120.6	45.2	120.6	244.3	268.4	268.4
67.5°	223.2	232.3	214.2	99.5	39.2	99.5	199.1	220.2	223.2
70°	178.0	184.0	168.9	78.4	33.2	81.4	156.8	178.0	178.0
72.5°	138.7	141.8	132.7	63.3	30.2	63.3	120.6	138.7	138.7
75°	99.5	105.6	99.5	48.3	27.1	48.3	93.5	102.6	105.6
77.5°	57.3	72.4	72.4	39.2	21.1	36.2	66.4	69.4	69.4
80°	39.2	45.2	51.3	27.1	15.1	27.1	42.2	45.2	42.2
82.5°	27.1	30.2	30.2	18.1	12.1	18.1	27.1	30.2	27.1
85°	15.1	21.1	21.1	15.1	9.0	12.1	15.1	18.1	15.1
87.5°	9.0	12.1	15.1	12.1	9.0	9.0	9.0	9.0	6.0
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)