

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: P799933

Luminaire Tested: **LD6C60D010 EU6609040 6LBMDDWWMH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799933
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: LD6C60D010 EU6609040 6LBMDDWWMH
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

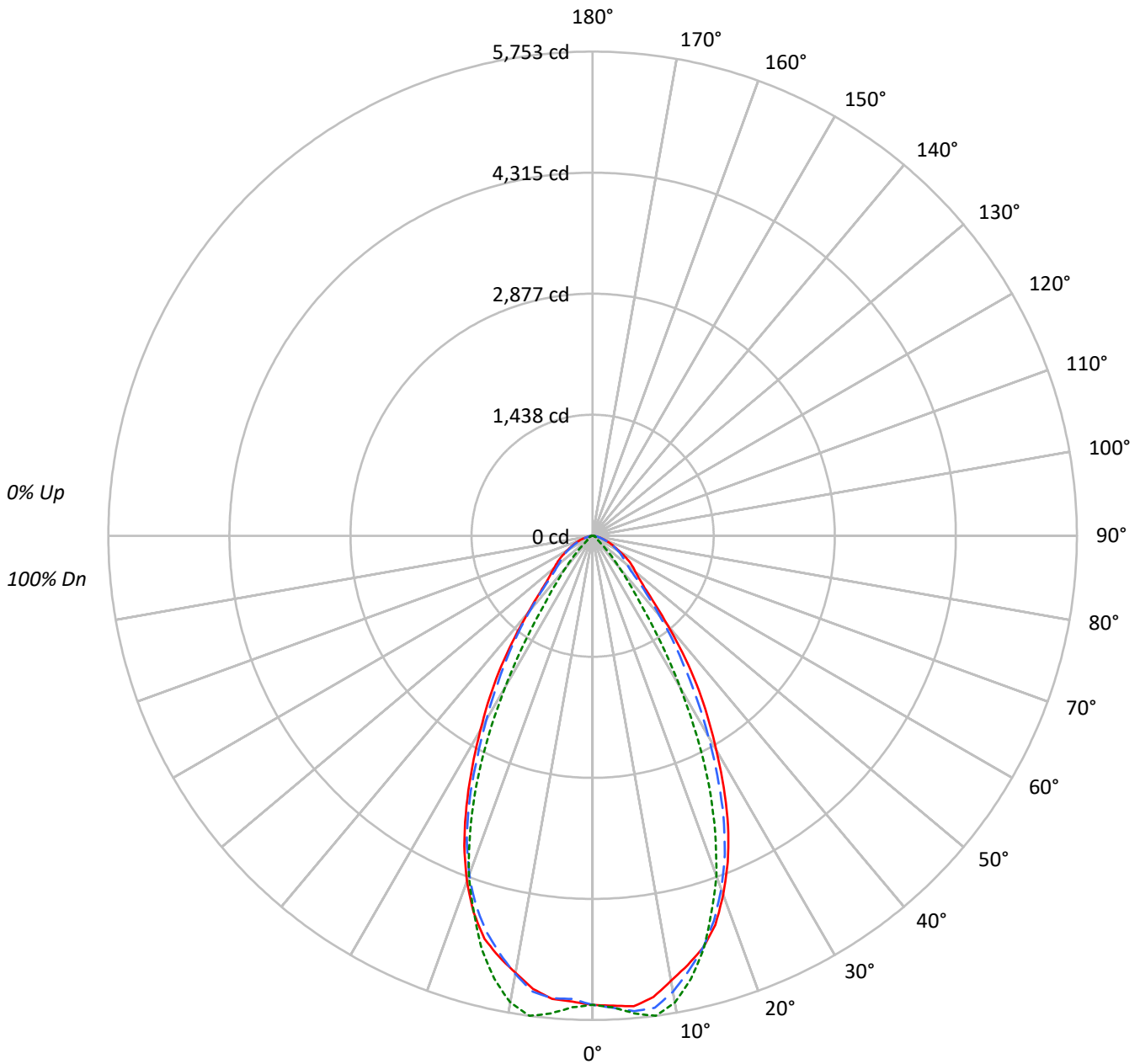
Lumens per Lamp: N/A
Luminaire Lumens: 5675.0 lumens
Efficiency: N/A
Efficacy: 78.8 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 72
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									
RC	80									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°	305584	305584	305584
5°	308782	313465	303945
10°	298781	313460	293571
15°	287561	288691	281449
20°	264658	250762	254735
25°	230330	197745	214555
30°	185763	131381	168532
35°	144018	67740	126565
40°	98814	35101	85224
45°	67705	17583	59789
50°	56339	7497	51265
55°	50674	6499	45800
60°	40106	6217	38243
65°	33103	5513	32727
70°	26815	5001	26815
75°	19825	5401	21011
80°	11649	4483	12533
85°	8932	5346	8932



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	530.6	9.4
10°-20°	1392.7	24.5
20°-30°	1589.7	28.0
30°-40°	1054.2	18.6
40°-50°	508.5	9.0
50°-60°	312.8	5.5
60°-70°	189.3	3.3
70°-80°	79.6	1.4
80°-90°	17.6	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°	3513.0	61.9
0°-40°	4567.3	80.5
0°-60°	5388.5	95.0
0°-90°	5675.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5675.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5574	5574	5574	5574	5574	
5°	5611	5671	5696	5515	5523	527
15°	5067	5067	5087	4871	4959	1412
25°	3808	3680	3269	3459	3547	1727
35°	2152	1897	1012	1769	1891	1331
45°	873	766	227	714	771	712
55°	530	431	68	431	479	466
65°	255	244	42	230	252	256
75°	94	94	26	88	99	100
85°	14	20	8	14	14	18
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°	5574.3	5574.3	5574.3	5574.3	5574.3	5574.3	5574.3	5574.3	5574.3
2.5°	5588.5	5597.0	5614.0	5616.9	5608.4	5554.5	5509.1	5526.1	5540.3
5°	5611.2	5628.2	5670.8	5710.4	5696.3	5605.5	5514.8	5512.0	5523.3
7.5°	5529.0	5568.7	5656.6	5755.8	5753.0	5597.0	5463.8	5429.7	5429.7
10°	5367.4	5404.2	5500.6	5633.9	5631.1	5435.4	5288.0	5271.0	5273.8
12.5°	5222.8	5239.8	5288.0	5392.9	5392.9	5200.1	5086.7	5103.7	5126.4
15°	5066.8	5078.2	5066.8	5100.8	5086.7	4927.9	4871.2	4925.0	4959.1
17.5°	4845.7	4851.3	4791.8	4746.4	4692.5	4593.3	4607.5	4686.9	4695.4
20°	4536.6	4573.5	4465.7	4349.5	4298.4	4204.9	4284.3	4372.1	4366.5
22.5°	4196.4	4238.9	4100.0	3907.1	3802.2	3765.4	3907.1	3986.5	3983.7
25°	3807.9	3839.1	3680.3	3411.0	3269.2	3263.5	3459.2	3541.4	3547.1
27.5°	3371.3	3382.6	3204.0	2852.4	2676.6	2719.1	2965.8	3079.2	3093.4
30°	2934.6	2928.9	2744.6	2308.0	2075.5	2191.7	2523.5	2648.2	2662.4
32.5°	2534.8	2517.8	2308.0	1786.3	1508.4	1681.4	2118.0	2248.5	2271.1
35°	2152.0	2123.7	1896.9	1321.3	1012.2	1270.2	1769.3	1882.7	1891.2
37.5°	1752.3	1738.1	1559.5	989.5	706.0	964.0	1443.2	1525.4	1516.9
40°	1380.8	1380.8	1233.4	734.4	490.5	717.3	1142.7	1216.4	1190.9
42.5°	1083.1	1097.3	972.5	541.6	348.8	533.1	904.5	972.5	944.2
45°	873.3	873.3	765.6	402.6	226.8	397.0	714.5	776.9	771.2
47.5°	740.0	728.7	620.9	294.9	124.8	297.7	601.1	677.7	674.8
50°	660.6	643.6	533.1	232.5	87.9	246.7	527.4	598.3	601.1
52.5°	598.3	572.7	479.2	207.0	76.6	215.5	479.2	535.9	535.9
55°	530.2	516.0	431.0	184.3	68.0	192.8	431.0	482.0	479.2
57.5°	448.0	445.2	385.6	167.3	62.4	170.1	385.6	416.8	405.5
60°	365.8	377.1	334.6	150.3	56.7	153.1	328.9	354.4	348.8
62.5°	306.2	320.4	292.0	133.3	48.2	136.1	277.9	303.4	297.7
65°	255.2	266.5	243.8	113.4	42.5	113.4	229.7	252.3	252.3
67.5°	209.8	218.3	201.3	93.6	36.9	93.6	187.1	207.0	209.8
70°	167.3	173.0	158.8	73.7	31.2	76.6	147.4	167.3	167.3
72.5°	130.4	133.3	124.8	59.5	28.4	59.5	113.4	130.4	130.4
75°	93.6	99.2	93.6	45.4	25.5	45.4	87.9	96.4	99.2
77.5°	53.9	68.0	68.0	36.9	19.8	34.0	62.4	65.2	65.2
80°	36.9	42.5	48.2	25.5	14.2	25.5	39.7	42.5	39.7
82.5°	25.5	28.4	28.4	17.0	11.3	17.0	25.5	28.4	25.5
85°	14.2	19.8	19.8	14.2	8.5	11.3	14.2	17.0	14.2
87.5°	8.5	11.3	14.2	11.3	8.5	8.5	8.5	8.5	5.7
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)