

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: P799921

Luminaire Tested: **LD6C60D010 EU6609035 6LBMDDWWMH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799921
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 EU6609035 6LBMDDWWMH
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

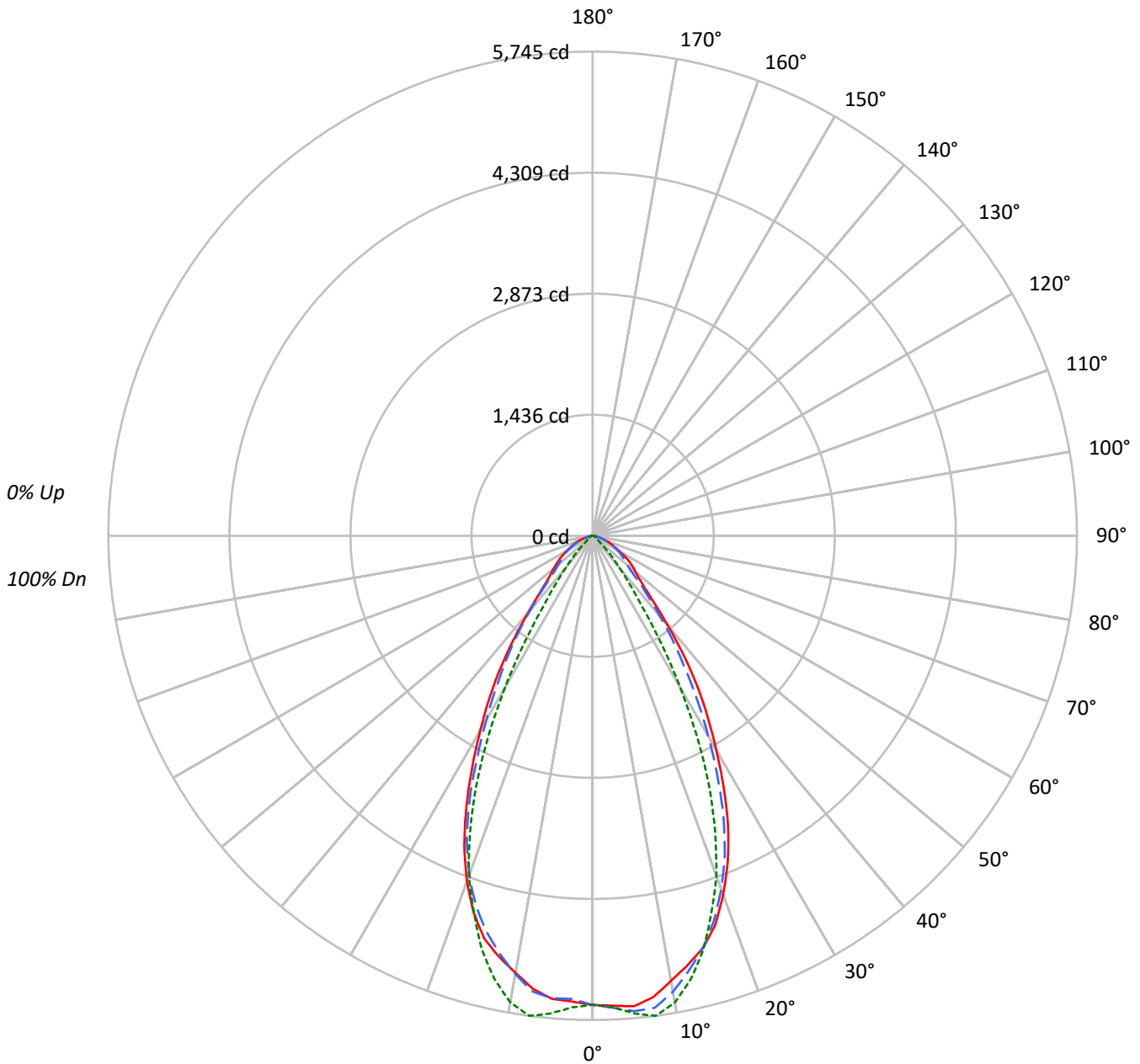
Lumens per Lamp: N/A
Luminaire Lumens: 5667.0 lumens
Efficiency: N/A
Efficacy: 78.7 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P799921

CATALOG NUMBER: LD6C60D010 EU6609035 6LBMDDWWMH

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°	305156	305156	305156
5°	308347	313019	303516
10°	298358	313015	293159
15°	287158	288282	281052
20°	264285	250412	254373
25°	230003	197467	214252
30°	185503	131197	168298
35°	143818	67646	126384
40°	98678	35051	85102
45°	67612	17560	59704
50°	56263	7488	51197
55°	50608	6499	45733
60°	40041	6206	38188
65°	33052	5513	32688
70°	26783	4985	26783
75°	19783	5401	20990
80°	11618	4483	12502
85°	8932	5346	8932



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	529.9	9.4
10°-20°	1390.7	24.5
20°-30°	1587.5	28.0
30°-40°	1052.8	18.6
40°-50°	507.8	9.0
50°-60°	312.3	5.5
60°-70°	189.0	3.3
70°-80°	79.5	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°	3508.1	61.9
0°-40°	4560.8	80.5
0°-60°	5380.9	95.0
0°-90°	5667.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5667.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5566	5566	5566	5566	5566	
5°	5603	5663	5688	5507	5516	526
15°	5060	5060	5080	4864	4952	1410
25°	3802	3675	3265	3454	3542	1724
35°	2149	1894	1011	1767	1888	1329
45°	872	764	226	714	770	711
55°	530	430	68	430	478	465
65°	255	244	42	229	252	256
75°	93	93	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°	5566.5	5566.5	5566.5	5566.5	5566.5	5566.5	5566.5	5566.5	5566.5
2.5°	5580.6	5589.1	5606.1	5609.0	5600.5	5546.7	5501.4	5518.4	5532.5
5°	5603.3	5620.3	5662.8	5702.4	5688.2	5597.6	5507.0	5504.2	5515.5
7.5°	5521.2	5560.8	5648.6	5747.7	5744.9	5589.1	5456.1	5422.1	5422.1
10°	5359.8	5396.6	5492.9	5625.9	5623.1	5427.8	5280.5	5263.5	5266.4
12.5°	5215.4	5232.4	5280.5	5385.3	5385.3	5192.7	5079.5	5096.5	5119.1
15°	5059.7	5071.0	5059.7	5093.6	5079.5	4920.9	4864.3	4918.1	4952.1
17.5°	4838.8	4844.5	4785.0	4739.7	4685.9	4586.8	4601.0	4680.3	4688.8
20°	4530.2	4567.0	4459.4	4343.3	4292.4	4198.9	4278.2	4366.0	4360.3
22.5°	4190.4	4232.9	4094.2	3901.6	3796.9	3760.1	3901.6	3980.9	3978.1
25°	3802.5	3833.7	3675.1	3406.1	3264.6	3258.9	3454.3	3536.4	3542.1
27.5°	3366.5	3377.8	3199.5	2848.4	2672.8	2715.3	2961.6	3074.9	3089.0
30°	2930.5	2924.8	2740.8	2304.7	2072.6	2188.7	2519.9	2644.5	2658.7
32.5°	2531.3	2514.3	2304.7	1783.8	1506.3	1679.0	2115.0	2245.3	2267.9
35°	2149.0	2120.7	1894.2	1319.4	1010.8	1268.5	1766.8	1880.0	1888.5
37.5°	1749.8	1735.6	1557.3	988.2	705.0	962.7	1441.2	1523.3	1514.8
40°	1378.9	1378.9	1231.6	733.3	489.8	716.3	1141.0	1214.7	1189.2
42.5°	1081.6	1095.7	971.2	540.8	348.3	532.3	903.2	971.2	942.8
45°	872.1	872.1	764.5	402.1	226.5	396.4	713.5	775.8	770.1
47.5°	739.0	727.7	620.1	294.5	124.6	297.3	600.3	676.7	673.9
50°	659.7	642.7	532.3	232.2	87.8	246.3	526.6	597.4	600.3
52.5°	597.4	571.9	478.5	206.7	76.4	215.2	478.5	535.1	535.1
55°	529.5	515.3	430.4	184.0	68.0	192.5	430.4	481.3	478.5
57.5°	447.4	444.5	385.1	167.1	62.3	169.9	385.1	416.2	404.9
60°	365.2	376.6	334.1	150.1	56.6	152.9	328.4	353.9	348.3
62.5°	305.8	319.9	291.6	133.1	48.1	135.9	277.5	303.0	297.3
65°	254.8	266.1	243.5	113.3	42.5	113.3	229.3	252.0	252.0
67.5°	209.5	218.0	201.0	93.4	36.8	93.4	186.9	206.7	209.5
70°	167.1	172.7	158.6	73.6	31.1	76.4	147.2	167.1	167.1
72.5°	130.2	133.1	124.6	59.5	28.3	59.5	113.3	130.2	130.2
75°	93.4	99.1	93.4	45.3	25.5	45.3	87.8	96.3	99.1
77.5°	53.8	68.0	68.0	36.8	19.8	34.0	62.3	65.1	65.1
80°	36.8	42.5	48.1	25.5	14.2	25.5	39.6	42.5	39.6
82.5°	25.5	28.3	28.3	17.0	11.3	17.0	25.5	28.3	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)