

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: P799897

Luminaire Tested: **LD6C60D010 EU6609027 6LBMDDWWMH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799897
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 EU6609027 6LBMDDWWMH
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

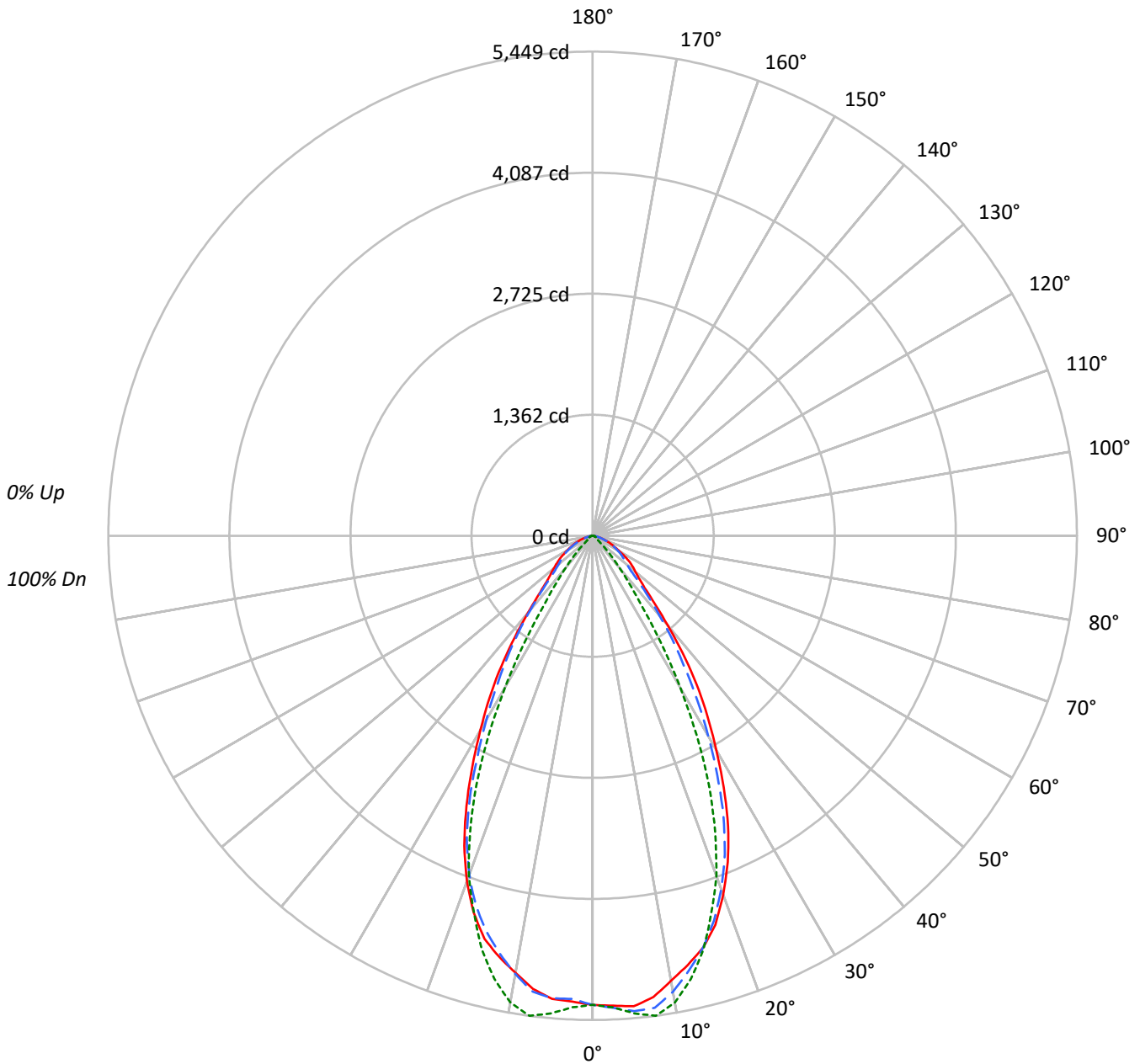
Lumens per Lamp: N/A
Luminaire Lumens: 5375.0 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

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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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91			91
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83			83
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			76
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70			70
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64			64
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59			59
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55			55
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51			51
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48			48
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45			45

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	289434	289434	289434
5°	292460	296890	287876
10°	282983	296888	278051
15°	272363	273429	266568
20°	250668	237507	241270
25°	218154	187293	203207
30°	175945	124437	159626
35°	136409	64159	119873
40°	93590	33248	80716
45°	64123	16653	56634
50°	53363	7104	48553
55°	47998	6165	43372
60°	37979	5888	36214
65°	31352	5228	31002
70°	25389	4728	25389
75°	18766	5126	19910
80°	11018	4230	11870
85°	8428	5095	8428



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	502.6	9.4
10°-20°	1319.1	24.5
20°-30°	1505.7	28.0
30°-40°	998.5	18.6
40°-50°	481.6	9.0
50°-60°	296.2	5.5
60°-70°	179.3	3.3
70°-80°	75.4	1.4
80°-90°	16.7	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°	3327.3	61.9
0°-40°	4325.8	80.5
0°-60°	5103.7	95.0
0°-90°	5375.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5375.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5280	5280	5280	5280	5280	
5°	5315	5371	5395	5223	5231	499
15°	4799	4799	4818	4614	4697	1337
25°	3607	3486	3096	3276	3360	1635
35°	2038	1797	959	1676	1791	1261
45°	827	725	215	677	730	675
55°	502	408	64	408	454	441
65°	242	231	40	218	239	243
75°	89	89	24	83	94	95
85°	13	19	8	13	13	17
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°	5279.7	5279.7	5279.7	5279.7	5279.7	5279.7	5279.7	5279.7	5279.7
2.5°	5293.1	5301.2	5317.3	5320.0	5311.9	5260.9	5217.9	5234.0	5247.4
5°	5314.6	5330.7	5371.0	5408.6	5395.1	5309.2	5223.3	5220.6	5231.3
7.5°	5236.7	5274.3	5357.5	5451.5	5448.9	5301.2	5174.9	5142.7	5142.7
10°	5083.6	5118.5	5209.8	5336.1	5333.4	5148.1	5008.4	4992.3	4995.0
12.5°	4946.7	4962.8	5008.4	5107.8	5107.8	4925.2	4817.8	4833.9	4855.4
15°	4799.0	4809.7	4799.0	4831.2	4817.8	4667.4	4613.7	4664.7	4696.9
17.5°	4589.5	4594.9	4538.5	4495.5	4444.5	4350.5	4363.9	4439.1	4447.2
20°	4296.8	4331.7	4229.6	4119.5	4071.2	3982.6	4057.8	4141.0	4135.7
22.5°	3974.5	4014.8	3883.2	3700.6	3601.2	3566.3	3700.6	3775.8	3773.1
25°	3606.6	3636.2	3485.8	3230.6	3096.4	3091.0	3276.3	3354.2	3359.5
27.5°	3193.0	3203.8	3034.6	2701.6	2535.1	2575.4	2809.0	2916.4	2929.9
30°	2779.5	2774.1	2599.6	2186.0	1965.8	2075.9	2390.1	2508.2	2521.7
32.5°	2400.8	2384.7	2186.0	1691.9	1428.7	1592.5	2006.1	2129.6	2151.1
35°	2038.3	2011.4	1796.6	1251.4	958.7	1203.1	1675.7	1783.2	1791.2
37.5°	1659.6	1646.2	1477.0	937.2	668.7	913.1	1366.9	1444.8	1436.7
40°	1307.8	1307.8	1168.2	695.5	464.6	679.4	1082.3	1152.1	1127.9
42.5°	1025.9	1039.3	921.1	512.9	330.3	504.9	856.7	921.1	894.3
45°	827.1	827.1	725.1	381.3	214.8	376.0	676.7	735.8	730.5
47.5°	700.9	690.2	588.1	279.3	118.2	282.0	569.3	641.8	639.1
50°	625.7	609.6	504.9	220.2	83.3	233.6	499.5	566.6	569.3
52.5°	566.6	542.5	453.8	196.0	72.5	204.1	453.8	507.6	507.6
55°	502.2	488.8	408.2	174.6	64.5	182.6	408.2	456.5	453.8
57.5°	424.3	421.6	365.2	158.4	59.1	161.1	365.2	394.8	384.0
60°	346.4	357.2	316.9	142.3	53.7	145.0	311.5	335.7	330.3
62.5°	290.0	303.5	276.6	126.2	45.7	128.9	263.2	287.3	282.0
65°	241.7	252.4	231.0	107.4	40.3	107.4	217.5	239.0	239.0
67.5°	198.7	206.8	190.7	88.6	34.9	88.6	177.2	196.0	198.7
70°	158.4	163.8	150.4	69.8	29.5	72.5	139.6	158.4	158.4
72.5°	123.5	126.2	118.2	56.4	26.9	56.4	107.4	123.5	123.5
75°	88.6	94.0	88.6	43.0	24.2	43.0	83.3	91.3	94.0
77.5°	51.0	64.5	64.5	34.9	18.8	32.2	59.1	61.8	61.8
80°	34.9	40.3	45.7	24.2	13.4	24.2	37.6	40.3	37.6
82.5°	24.2	26.9	26.9	16.1	10.7	16.1	24.2	26.9	24.2
85°	13.4	18.8	18.8	13.4	8.1	10.7	13.4	16.1	13.4
87.5°	8.1	10.7	13.4	10.7	8.1	8.1	8.1	8.1	5.4
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)