

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: P799923

Luminaire Tested: **LD6C60D010 EU6609035 6LBMDSWH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799923
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: LD6C60D010 EU6609035 6LBMDSWH
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

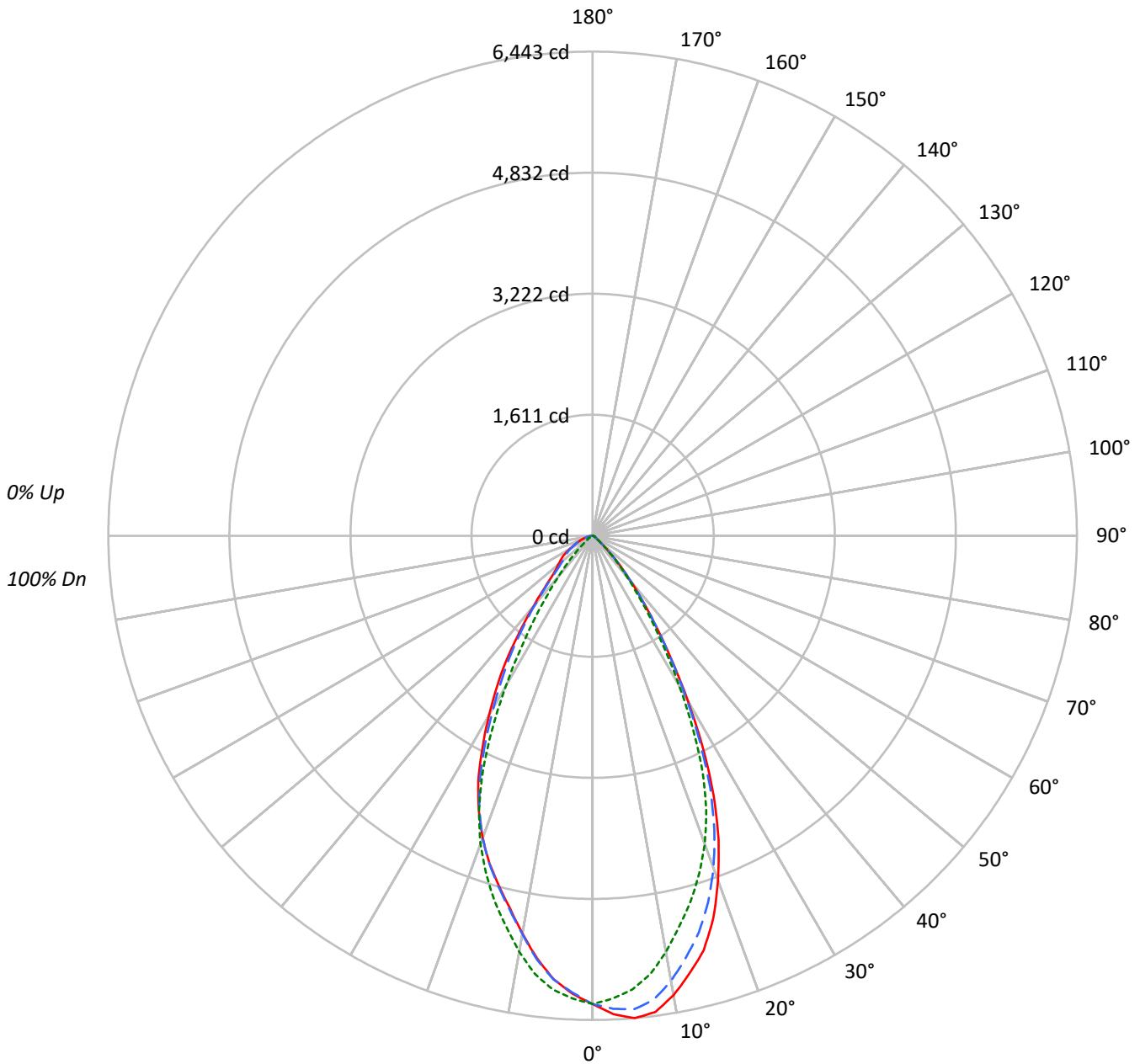
Lumens per Lamp: N/A
Luminaire Lumens: 5364.0 lumens
Efficiency: N/A
Efficacy: 74.5 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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	100	100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92	92	92	92
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85	85	85	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78	78	78	78
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73	73	73	73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67	67	67	67
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63	63	63	63
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59	59	59	59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55	55	55	55
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52	52	52	52
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49	49	49	49

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	341541	341541	341541
5°	354534	333529	325984
10°	345462	312848	299082
15°	323997	285864	273503
20°	284435	254484	249624
25°	230046	209075	217688
30°	159930	145636	174223
35°	98571	89215	131484
40°	55776	50008	87321
45°	27088	25840	59595
50°	10311	10311	50659
55°	5649	6681	46756
60°	4122	5307	38308
65°	3489	4527	31378
70°	3013	3879	25854
75°	2838	3982	22198
80°	1705	3410	16132
85°	1698	6793	15222



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	570.4	10.6
10°-20°	1433.5	26.7
20°-30°	1613.7	30.1
30°-40°	999.3	18.6
40°-50°	397.9	7.4
50°-60°	181.2	3.4
60°-70°	104.1	1.9
70°-80°	49.4	0.9
80°-90°	14.4	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°	3617.6	67.4
0°-40°	4616.9	86.1
0°-60°	5196.0	96.9
0°-90°	5364.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5364.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6230	6230	6230	6230	6230	
5°	6443	6324	6061	5929	5924	607
15°	5709	5462	5037	4833	4819	1579
25°	3803	3701	3456	3542	3599	1710
35°	1473	1465	1333	1857	1965	947
45°	349	349	333	726	769	296
55°	59	56	70	430	489	59
65°	27	24	35	239	242	26
75°	13	13	19	102	105	14
85°	3	3	11	24	24	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°	6230.2	6230.2	6230.2	6230.2	6230.2	6230.2	6230.2	6230.2	6230.2
2.5°	6372.7	6313.5	6300.1	6249.0	6163.0	6114.6	6085.1	6063.6	6101.2
5°	6442.6	6378.0	6324.3	6219.5	6060.9	5972.2	5929.2	5894.2	5923.8
7.5°	6391.5	6300.1	6227.5	6082.4	5880.8	5743.7	5684.6	5644.3	5671.2
10°	6206.0	6095.8	6012.5	5840.5	5620.1	5456.1	5383.6	5345.9	5372.8
12.5°	5964.1	5872.7	5746.4	5558.3	5321.8	5149.7	5096.0	5066.4	5077.2
15°	5708.8	5601.3	5461.5	5273.4	5036.9	4864.8	4832.6	4813.8	4819.1
17.5°	5337.9	5233.1	5112.1	4929.3	4711.6	4571.9	4571.9	4558.4	4566.5
20°	4875.6	4819.1	4700.9	4547.7	4362.2	4235.9	4276.2	4262.8	4278.9
22.5°	4375.7	4332.7	4230.5	4104.2	3948.3	3848.9	3937.6	3934.9	3956.4
25°	3803.2	3770.9	3701.0	3593.5	3456.5	3394.6	3542.5	3542.5	3598.9
27.5°	3171.6	3139.3	3090.9	2999.5	2886.6	2867.8	3085.5	3112.4	3174.2
30°	2526.5	2505.0	2478.1	2394.8	2300.7	2335.7	2636.7	2682.4	2752.3
32.5°	1951.3	1937.9	1929.8	1854.6	1771.2	1886.8	2230.8	2290.0	2359.8
35°	1472.9	1443.3	1464.8	1408.4	1333.1	1478.3	1857.2	1908.3	1964.7
37.5°	1085.9	1064.4	1083.2	1042.8	975.7	1134.2	1491.7	1524.0	1561.6
40°	779.4	760.6	776.8	752.6	698.8	846.6	1169.2	1204.1	1220.2
42.5°	553.7	521.4	537.6	518.7	491.9	637.0	919.2	951.5	956.8
45°	349.4	338.7	349.4	338.7	333.3	473.0	725.7	755.3	768.7
47.5°	212.3	198.9	198.9	193.5	198.9	349.4	599.4	642.4	663.9
50°	120.9	115.6	112.9	110.2	120.9	274.2	518.7	567.1	594.0
52.5°	80.6	77.9	77.9	75.3	88.7	231.1	467.7	510.7	537.6
55°	59.1	56.4	56.4	56.4	69.9	198.9	430.0	465.0	489.2
57.5°	45.7	45.7	45.7	43.0	59.1	169.3	384.3	403.2	422.0
60°	37.6	34.9	34.9	34.9	48.4	145.1	330.6	338.7	349.4
62.5°	29.6	29.6	29.6	29.6	40.3	129.0	284.9	284.9	290.3
65°	26.9	24.2	24.2	24.2	34.9	112.9	239.2	236.5	241.9
67.5°	21.5	21.5	21.5	21.5	29.6	96.8	196.2	193.5	198.9
70°	18.8	18.8	18.8	18.8	24.2	80.6	158.6	155.9	161.3
72.5°	16.1	16.1	16.1	16.1	21.5	67.2	126.3	126.3	129.0
75°	13.4	13.4	13.4	13.4	18.8	51.1	102.1	102.1	104.8
77.5°	10.8	10.8	10.8	10.8	13.4	40.3	77.9	75.3	75.3
80°	5.4	8.1	8.1	8.1	10.8	29.6	56.4	51.1	51.1
82.5°	2.7	5.4	5.4	5.4	10.8	21.5	37.6	34.9	34.9
85°	2.7	2.7	2.7	8.1	10.8	16.1	24.2	24.2	24.2
87.5°	0.0	2.7	5.4	10.8	13.4	13.4	16.1	13.4	13.4
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)