

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: P799902

Luminaire Tested: **LD6C60D010 EU6609027 6LBMDSWWH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799902
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 EU6609027 6LBMDSWWH
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

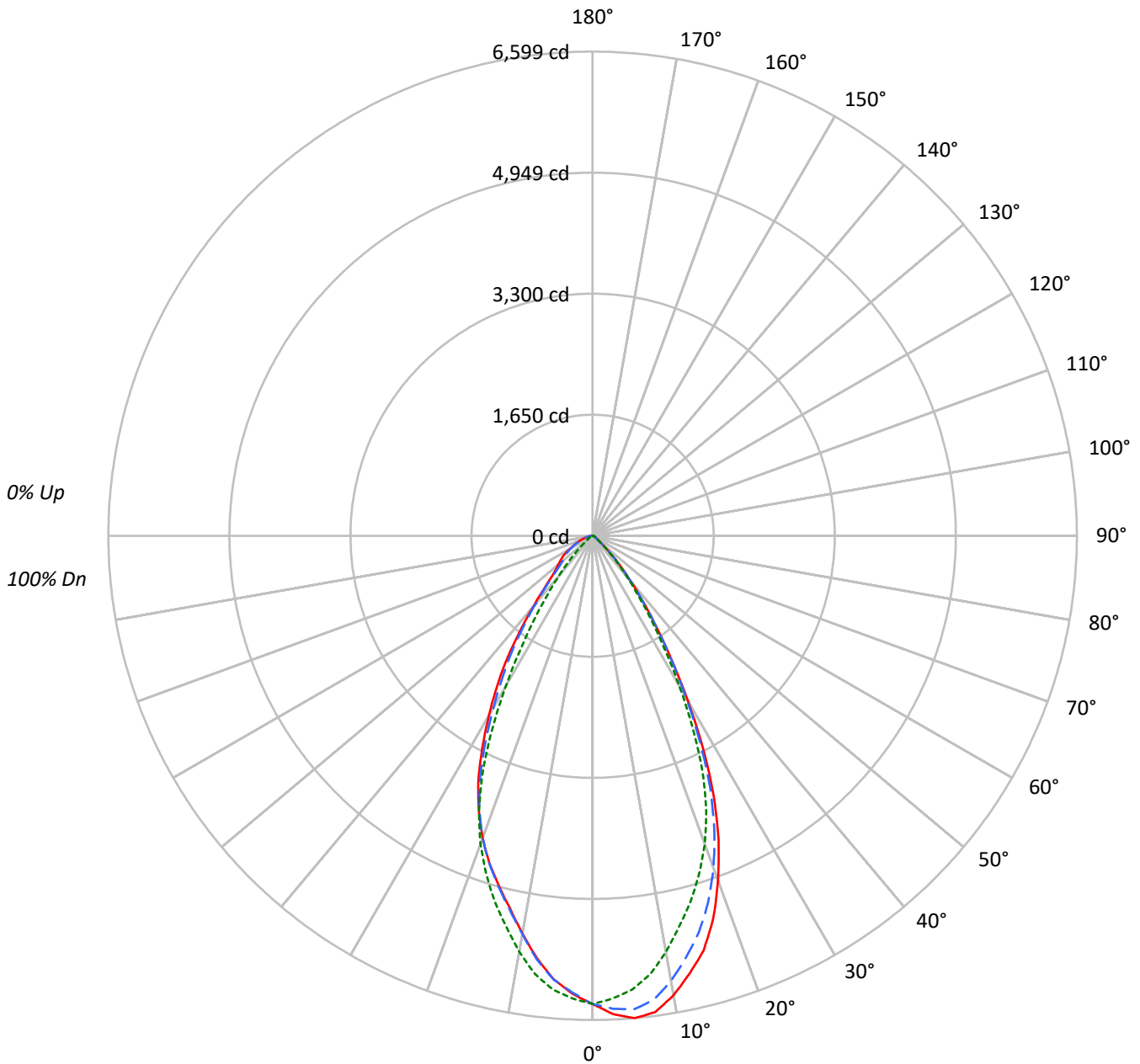
Lumens per Lamp: N/A
Luminaire Lumens: 5494.0 lumens
Efficiency: N/A
Efficacy: 76.3 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P799902

CATALOG NUMBER: LD6C60D010 EU6609027 6LBMDSWWH

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	349818	349818	349818
5°	363124	341613	333886
10°	353834	320429	306329
15°	331846	292788	280132
20°	291330	260650	255674
25°	235616	214137	222962
30°	163804	149169	178445
35°	100960	91377	134676
40°	57128	51225	89439
45°	27747	26468	61037
50°	10567	10567	51887
55°	5792	6843	47884
60°	4221	5438	39240
65°	3567	4644	32144
70°	3093	3975	26479
75°	2923	4088	22748
80°	1736	3473	16511
85°	1761	6919	15599



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	584.2	10.6
10°-20°	1468.3	26.7
20°-30°	1652.9	30.1
30°-40°	1023.5	18.6
40°-50°	407.6	7.4
50°-60°	185.6	3.4
60°-70°	106.7	1.9
70°-80°	50.7	0.9
80°-90°	14.8	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°	3705.3	67.4
0°-40°	4728.8	86.1
0°-60°	5321.9	96.9
0°-90°	5494.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5494.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6381	6381	6381	6381	6381	
5°	6599	6478	6208	6073	6067	621
15°	5847	5594	5159	4950	4936	1618
25°	3895	3791	3540	3628	3686	1751
35°	1509	1500	1365	1902	2012	970
45°	358	358	341	743	787	303
55°	61	58	72	440	501	60
65°	28	25	36	245	248	27
75°	14	14	19	105	107	14
85°	3	3	11	25	25	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°	6381.2	6381.2	6381.2	6381.2	6381.2	6381.2	6381.2	6381.2	6381.2
2.5°	6527.1	6466.6	6452.8	6400.5	6312.4	6262.8	6232.6	6210.5	6249.1
5°	6598.7	6532.6	6477.6	6370.2	6207.8	6116.9	6072.9	6037.1	6067.4
7.5°	6546.4	6452.8	6378.5	6229.8	6023.3	5882.9	5822.4	5781.1	5808.6
10°	6356.4	6243.6	6158.2	5982.0	5756.3	5588.4	5514.0	5475.5	5503.0
12.5°	6108.7	6015.1	5885.7	5693.0	5450.7	5274.5	5219.5	5189.2	5200.2
15°	5847.1	5737.0	5593.9	5401.2	5158.9	4982.7	4949.7	4930.4	4935.9
17.5°	5467.2	5359.9	5236.0	5048.8	4825.8	4682.7	4682.7	4668.9	4677.2
20°	4993.8	4935.9	4814.8	4657.9	4467.9	4338.6	4379.9	4366.1	4382.6
22.5°	4481.7	4437.7	4333.1	4203.7	4044.0	3942.1	4033.0	4030.2	4052.3
25°	3895.3	3862.3	3790.7	3680.6	3540.2	3476.9	3628.3	3628.3	3686.1
27.5°	3248.4	3215.4	3165.8	3072.2	2956.6	2937.3	3160.3	3187.9	3251.2
30°	2587.7	2565.7	2538.2	2452.8	2356.5	2392.3	2700.6	2747.4	2819.0
32.5°	1998.6	1984.8	1976.6	1899.5	1814.2	1932.5	2284.9	2345.5	2417.0
35°	1508.6	1478.3	1500.3	1442.5	1365.4	1514.1	1902.3	1954.6	2012.4
37.5°	1112.2	1090.1	1109.4	1068.1	999.3	1161.7	1527.9	1560.9	1599.4
40°	798.3	779.1	795.6	770.8	715.8	867.2	1197.5	1233.3	1249.8
42.5°	567.1	534.1	550.6	531.3	503.8	652.4	941.5	974.5	980.0
45°	357.9	346.9	357.9	346.9	341.4	484.5	743.3	773.6	787.3
47.5°	217.5	203.7	203.7	198.2	203.7	357.9	613.9	657.9	680.0
50°	123.9	118.4	115.6	112.9	123.9	280.8	531.3	580.9	608.4
52.5°	82.6	79.8	79.8	77.1	90.8	236.7	479.0	523.1	550.6
55°	60.6	57.8	57.8	57.8	71.6	203.7	440.5	476.3	501.0
57.5°	46.8	46.8	46.8	44.0	60.6	173.4	393.7	412.9	432.2
60°	38.5	35.8	35.8	35.8	49.6	148.7	338.6	346.9	357.9
62.5°	30.3	30.3	30.3	30.3	41.3	132.1	291.8	291.8	297.3
65°	27.5	24.8	24.8	24.8	35.8	115.6	245.0	242.3	247.8
67.5°	22.0	22.0	22.0	22.0	30.3	99.1	201.0	198.2	203.7
70°	19.3	19.3	19.3	19.3	24.8	82.6	162.4	159.7	165.2
72.5°	16.5	16.5	16.5	16.5	22.0	68.8	129.4	129.4	132.1
75°	13.8	13.8	13.8	13.8	19.3	52.3	104.6	104.6	107.4
77.5°	11.0	11.0	11.0	11.0	13.8	41.3	79.8	77.1	77.1
80°	5.5	8.3	8.3	8.3	11.0	30.3	57.8	52.3	52.3
82.5°	2.8	5.5	5.5	5.5	11.0	22.0	38.5	35.8	35.8
85°	2.8	2.8	2.8	8.3	11.0	16.5	24.8	24.8	24.8
87.5°	0.0	2.8	5.5	11.0	13.8	13.8	16.5	13.8	13.8
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)