

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: P799364

Luminaire Tested: **LD6C15D010 EU6159030 6LBMDDWGPB**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799364
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: LD6C15D010 EU6159030 6LBMDDWGPH
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

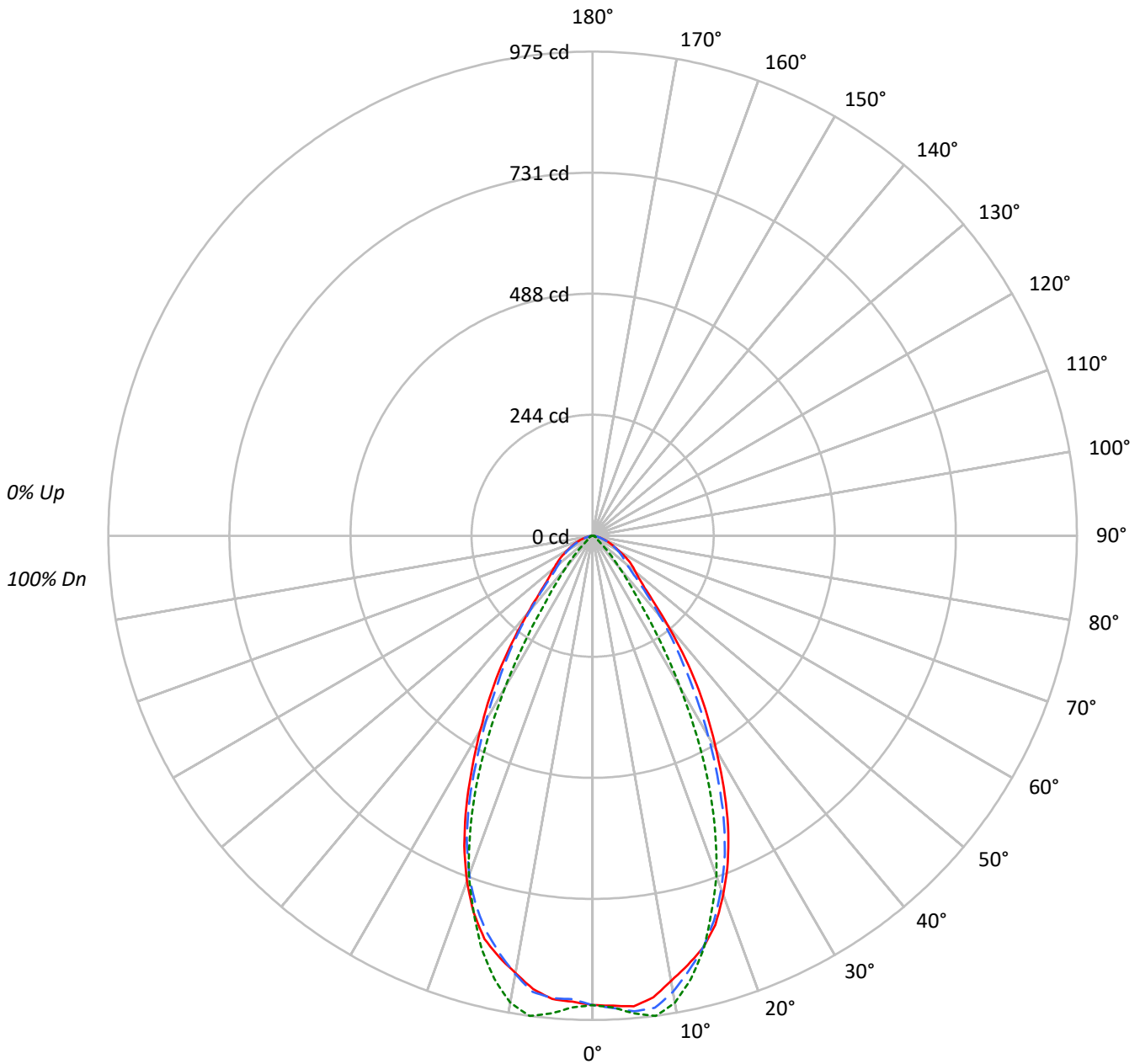
Lumens per Lamp: N/A
Luminaire Lumens: 962.0 lumens
Efficiency: N/A
Efficacy: 60.9 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
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°	51800	51800	51800
5°	52344	53137	51524
10°	50650	53139	49765
15°	48746	48939	47707
20°	44862	42511	43182
25°	39045	33522	36371
30°	31492	22269	28568
35°	24414	11484	21456
40°	16753	5954	14448
45°	11474	2985	10133
50°	9552	1271	8691
55°	8592	1099	7761
60°	6798	1053	6480
65°	5617	934	5552
70°	4552	850	4552
75°	3368	911	3558
80°	1957	758	2115
85°	1510	881	1510



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.9	9.4
10°-20°	236.1	24.5
20°-30°	269.5	28.0
30°-40°	178.7	18.6
40°-50°	86.2	9.0
50°-60°	53.0	5.5
60°-70°	32.1	3.3
70°-80°	13.5	1.4
80°-90°	3.0	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°	595.5	61.9
0°-40°	774.2	80.5
0°-60°	913.4	95.0
0°-90°	962.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	962.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	945	945	945	945	945	
5°	951	961	966	935	936	89
15°	859	859	862	826	841	239
25°	646	624	554	586	601	293
35°	365	322	172	300	321	226
45°	148	130	38	121	131	121
55°	90	73	12	73	81	79
65°	43	41	7	39	43	43
75°	16	16	4	15	17	17
85°	2	3	1	2	2	3
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°	944.9	944.9	944.9	944.9	944.9	944.9	944.9	944.9	944.9
2.5°	947.3	948.8	951.7	952.1	950.7	941.6	933.9	936.8	939.2
5°	951.2	954.1	961.3	968.0	965.6	950.2	934.8	934.4	936.3
7.5°	937.2	944.0	958.9	975.7	975.2	948.8	926.2	920.4	920.4
10°	909.9	916.1	932.4	955.0	954.6	921.4	896.4	893.5	894.0
12.5°	885.3	888.2	896.4	914.2	914.2	881.5	862.3	865.2	869.0
15°	858.9	860.8	858.9	864.7	862.3	835.4	825.7	834.9	840.6
17.5°	821.4	822.4	812.3	804.6	795.5	778.6	781.0	794.5	795.9
20°	769.0	775.3	757.0	737.3	728.7	712.8	726.2	741.1	740.2
22.5°	711.3	718.6	695.0	662.3	644.5	638.3	662.3	675.8	675.3
25°	645.5	650.8	623.9	578.2	554.2	553.2	586.4	600.3	601.3
27.5°	571.5	573.4	543.1	483.5	453.7	460.9	502.7	522.0	524.4
30°	497.5	496.5	465.3	391.2	351.8	371.5	427.8	448.9	451.3
32.5°	429.7	426.8	391.2	302.8	255.7	285.0	359.0	381.1	385.0
35°	364.8	360.0	321.5	224.0	171.6	215.3	299.9	319.1	320.6
37.5°	297.0	294.6	264.4	167.7	119.7	163.4	244.6	258.6	257.1
40°	234.1	234.1	209.1	124.5	83.2	121.6	193.7	206.2	201.9
42.5°	183.6	186.0	164.9	91.8	59.1	90.4	153.3	164.9	160.1
45°	148.0	148.0	129.8	68.3	38.5	67.3	121.1	131.7	130.7
47.5°	125.4	123.5	105.3	50.0	21.1	50.5	101.9	114.9	114.4
50°	112.0	109.1	90.4	39.4	14.9	41.8	89.4	101.4	101.9
52.5°	101.4	97.1	81.2	35.1	13.0	36.5	81.2	90.8	90.8
55°	89.9	87.5	73.1	31.2	11.5	32.7	73.1	81.7	81.2
57.5°	75.9	75.5	65.4	28.4	10.6	28.8	65.4	70.7	68.7
60°	62.0	63.9	56.7	25.5	9.6	26.0	55.8	60.1	59.1
62.5°	51.9	54.3	49.5	22.6	8.2	23.1	47.1	51.4	50.5
65°	43.3	45.2	41.3	19.2	7.2	19.2	38.9	42.8	42.8
67.5°	35.6	37.0	34.1	15.9	6.2	15.9	31.7	35.1	35.6
70°	28.4	29.3	26.9	12.5	5.3	13.0	25.0	28.4	28.4
72.5°	22.1	22.6	21.1	10.1	4.8	10.1	19.2	22.1	22.1
75°	15.9	16.8	15.9	7.7	4.3	7.7	14.9	16.3	16.8
77.5°	9.1	11.5	11.5	6.2	3.4	5.8	10.6	11.1	11.1
80°	6.2	7.2	8.2	4.3	2.4	4.3	6.7	7.2	6.7
82.5°	4.3	4.8	4.8	2.9	1.9	2.9	4.3	4.8	4.3
85°	2.4	3.4	3.4	2.4	1.4	1.9	2.4	2.9	2.4
87.5°	1.4	1.9	2.4	1.9	1.4	1.4	1.4	1.4	1.0
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)