

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: P799382

Luminaire Tested: **LD6C15D010 EU6159035 6LBMDSWGPH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799382
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: LD6C15D010 EU6159035 6LBMDSWGPH
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDSW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

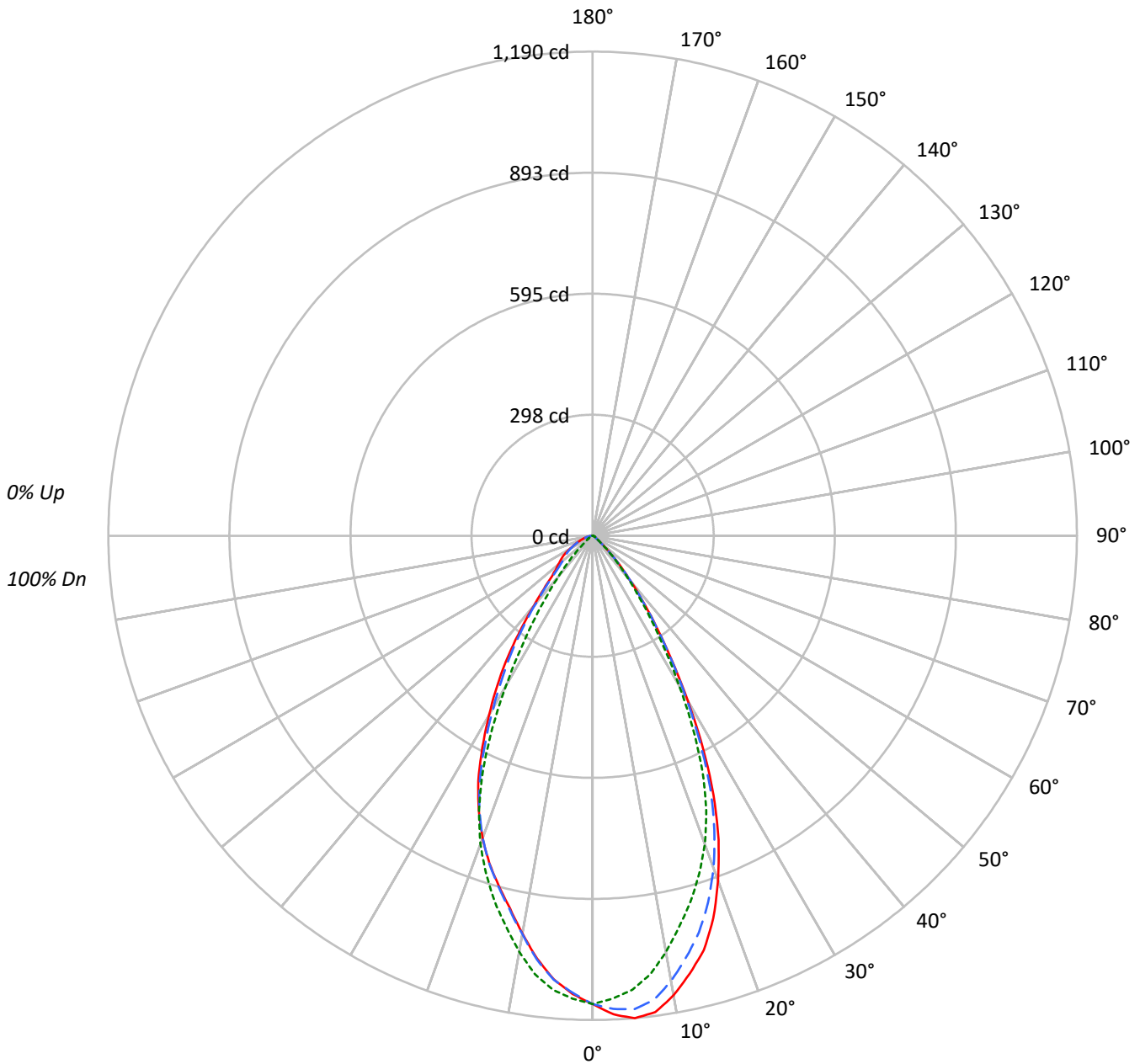
Lumens per Lamp: N/A
Luminaire Lumens: 991.0 lumens
Efficiency: N/A
Efficacy: 62.7 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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	57	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°	63098	63098	63098
5°	65502	61622	60224
10°	63826	57798	55254
15°	59858	52815	50528
20°	52551	47015	46117
25°	42498	38627	40218
30°	29549	26909	32188
35°	18210	16483	24293
40°	10305	9239	16130
45°	5008	4776	11009
50°	1902	1902	9356
55°	1042	1233	8640
60°	767	976	7083
65°	649	843	5798
70°	561	721	4776
75°	530	741	4109
80°	316	631	2968
85°	314	1258	2830



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.4	10.6
10°-20°	264.8	26.7
20°-30°	298.1	30.1
30°-40°	184.6	18.6
40°-50°	73.5	7.4
50°-60°	33.5	3.4
60°-70°	19.3	1.9
70°-80°	9.1	0.9
80°-90°	2.7	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°	668.4	67.4
0°-40°	853.0	86.1
0°-60°	960.0	96.9
0°-90°	991.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	991.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1151	1151	1151	1151	1151	
5°	1190	1168	1120	1095	1094	112
15°	1055	1009	931	893	890	292
25°	703	684	639	654	665	316
35°	272	271	246	343	363	175
45°	65	65	62	134	142	55
55°	11	10	13	80	90	11
65°	5	4	6	44	45	5
75°	2	2	4	19	19	3
85°	0	0	2	4	4	0
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°	1151.0	1151.0	1151.0	1151.0	1151.0	1151.0	1151.0	1151.0	1151.0
2.5°	1177.4	1166.4	1163.9	1154.5	1138.6	1129.7	1124.2	1120.2	1127.2
5°	1190.3	1178.3	1168.4	1149.0	1119.8	1103.4	1095.4	1089.0	1094.4
7.5°	1180.8	1163.9	1150.5	1123.7	1086.5	1061.2	1050.2	1042.8	1047.7
10°	1146.6	1126.2	1110.8	1079.0	1038.3	1008.0	994.6	987.7	992.6
12.5°	1101.9	1085.0	1061.7	1026.9	983.2	951.4	941.5	936.0	938.0
15°	1054.7	1034.8	1009.0	974.3	930.6	898.8	892.8	889.3	890.3
17.5°	986.2	966.8	944.5	910.7	870.5	844.7	844.7	842.2	843.7
20°	900.8	890.3	868.5	840.2	805.9	782.6	790.0	787.5	790.5
22.5°	808.4	800.5	781.6	758.3	729.5	711.1	727.5	727.0	730.9
25°	702.6	696.7	683.8	663.9	638.6	627.2	654.5	654.5	664.9
27.5°	585.9	580.0	571.0	554.2	533.3	529.8	570.1	575.0	586.4
30°	466.8	462.8	457.8	442.4	425.1	431.5	487.1	495.6	508.5
32.5°	360.5	358.0	356.5	342.6	327.2	348.6	412.1	423.1	436.0
35°	272.1	266.7	270.6	260.2	246.3	273.1	343.1	352.6	363.0
37.5°	200.6	196.6	200.1	192.7	180.3	209.5	275.6	281.6	288.5
40°	144.0	140.5	143.5	139.0	129.1	156.4	216.0	222.5	225.4
42.5°	102.3	96.3	99.3	95.8	90.9	117.7	169.8	175.8	176.8
45°	64.6	62.6	64.6	62.6	61.6	87.4	134.1	139.5	142.0
47.5°	39.2	36.7	36.7	35.8	36.7	64.6	110.7	118.7	122.7
50°	22.3	21.4	20.9	20.4	22.3	50.6	95.8	104.8	109.7
52.5°	14.9	14.4	14.4	13.9	16.4	42.7	86.4	94.3	99.3
55°	10.9	10.4	10.4	10.4	12.9	36.7	79.5	85.9	90.4
57.5°	8.4	8.4	8.4	7.9	10.9	31.3	71.0	74.5	78.0
60°	7.0	6.5	6.5	6.5	8.9	26.8	61.1	62.6	64.6
62.5°	5.5	5.5	5.5	5.5	7.4	23.8	52.6	52.6	53.6
65°	5.0	4.5	4.5	4.5	6.5	20.9	44.2	43.7	44.7
67.5°	4.0	4.0	4.0	4.0	5.5	17.9	36.2	35.8	36.7
70°	3.5	3.5	3.5	3.5	4.5	14.9	29.3	28.8	29.8
72.5°	3.0	3.0	3.0	3.0	4.0	12.4	23.3	23.3	23.8
75°	2.5	2.5	2.5	2.5	3.5	9.4	18.9	18.9	19.4
77.5°	2.0	2.0	2.0	2.0	2.5	7.4	14.4	13.9	13.9
80°	1.0	1.5	1.5	1.5	2.0	5.5	10.4	9.4	9.4
82.5°	0.5	1.0	1.0	1.0	2.0	4.0	7.0	6.5	6.5
85°	0.5	0.5	0.5	1.5	2.0	3.0	4.5	4.5	4.5
87.5°	0.0	0.5	1.0	2.0	2.5	2.5	3.0	2.5	2.5
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)