

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: P799394

Luminaire Tested: **LD6C15D010 EU6159040 6LBMDSWGPH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799394
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 EU6159040 6LBMDSWGPH
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

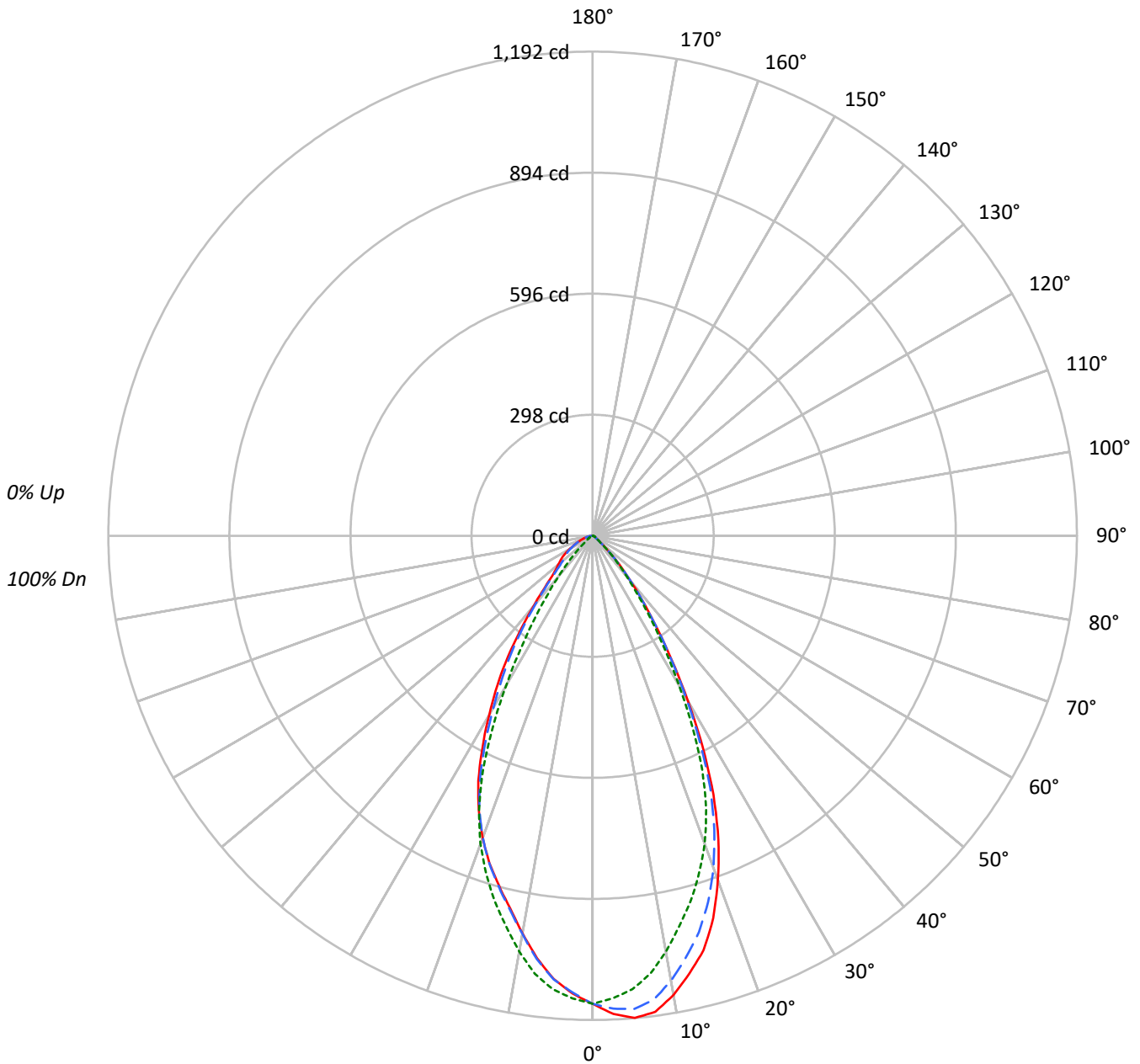
Lumens per Lamp: N/A
Luminaire Lumens: 992.0 lumens
Efficiency: N/A
Efficacy: 62.8 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P799394

CATALOG NUMBER: LD6C15D010 EU6159040 6LBMDSWGPH

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	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°	63164	63164	63164
5°	65568	61683	60285
10°	63888	57859	55310
15°	59921	52866	50579
20°	52604	47062	46163
25°	42541	38664	40260
30°	29574	26935	32220
35°	18230	16497	24320
40°	10312	9246	16152
45°	5008	4776	11024
50°	1910	1910	9373
55°	1042	1233	8650
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°	105.5	10.6
10°-20°	265.1	26.7
20°-30°	298.4	30.1
30°-40°	184.8	18.6
40°-50°	73.6	7.4
50°-60°	33.5	3.4
60°-70°	19.3	1.9
70°-80°	9.2	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°	669.0	67.4
0°-40°	853.8	86.1
0°-60°	960.9	96.9
0°-90°	992.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	992.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1152	1152	1152	1152	1152	
5°	1192	1170	1121	1096	1096	112
15°	1056	1010	932	894	891	292
25°	703	684	639	655	666	316
35°	272	271	246	344	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°	1152.2	1152.2	1152.2	1152.2	1152.2	1152.2	1152.2	1152.2	1152.2
2.5°	1178.5	1167.6	1165.1	1155.7	1139.8	1130.8	1125.4	1121.4	1128.3
5°	1191.5	1179.5	1169.6	1150.2	1120.9	1104.5	1096.5	1090.1	1095.5
7.5°	1182.0	1165.1	1151.7	1124.9	1087.6	1062.2	1051.3	1043.8	1048.8
10°	1147.7	1127.3	1111.9	1080.1	1039.4	1009.0	995.6	988.7	993.6
12.5°	1103.0	1086.1	1062.7	1027.9	984.2	952.4	942.4	937.0	939.0
15°	1055.8	1035.9	1010.0	975.2	931.5	899.7	893.7	890.2	891.2
17.5°	987.2	967.8	945.4	911.6	871.4	845.5	845.5	843.0	844.5
20°	901.7	891.2	869.4	841.0	806.7	783.4	790.8	788.3	791.3
22.5°	809.2	801.3	782.4	759.0	730.2	711.8	728.2	727.7	731.7
25°	703.3	697.4	684.5	664.6	639.2	627.8	655.1	655.1	665.6
27.5°	586.5	580.6	571.6	554.7	533.8	530.4	570.6	575.6	587.0
30°	467.2	463.3	458.3	442.9	425.5	431.9	487.6	496.1	509.0
32.5°	360.9	358.4	356.9	343.0	327.6	348.9	412.6	423.5	436.4
35°	272.4	266.9	270.9	260.5	246.5	273.4	343.5	352.9	363.4
37.5°	200.8	196.8	200.3	192.9	180.4	209.8	275.9	281.8	288.8
40°	144.1	140.7	143.7	139.2	129.2	156.6	216.2	222.7	225.7
42.5°	102.4	96.4	99.4	95.9	91.0	117.8	170.0	176.0	177.0
45°	64.6	62.6	64.6	62.6	61.6	87.5	134.2	139.7	142.2
47.5°	39.3	36.8	36.8	35.8	36.8	64.6	110.8	118.8	122.8
50°	22.4	21.4	20.9	20.4	22.4	50.7	95.9	104.9	109.9
52.5°	14.9	14.4	14.4	13.9	16.4	42.7	86.5	94.4	99.4
55°	10.9	10.4	10.4	10.4	12.9	36.8	79.5	86.0	90.5
57.5°	8.5	8.5	8.5	8.0	10.9	31.3	71.1	74.6	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	7.5	23.9	52.7	52.7	53.7
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	36.3	35.8	36.8
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	23.4	23.4	23.9
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	7.5	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)