

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: P799424

Luminaire Tested: **LD6C20D010 EU6209030 6LBMDDWGPB**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799424
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: LD6C20D010 EU6209030 6LBMDDWGPH
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

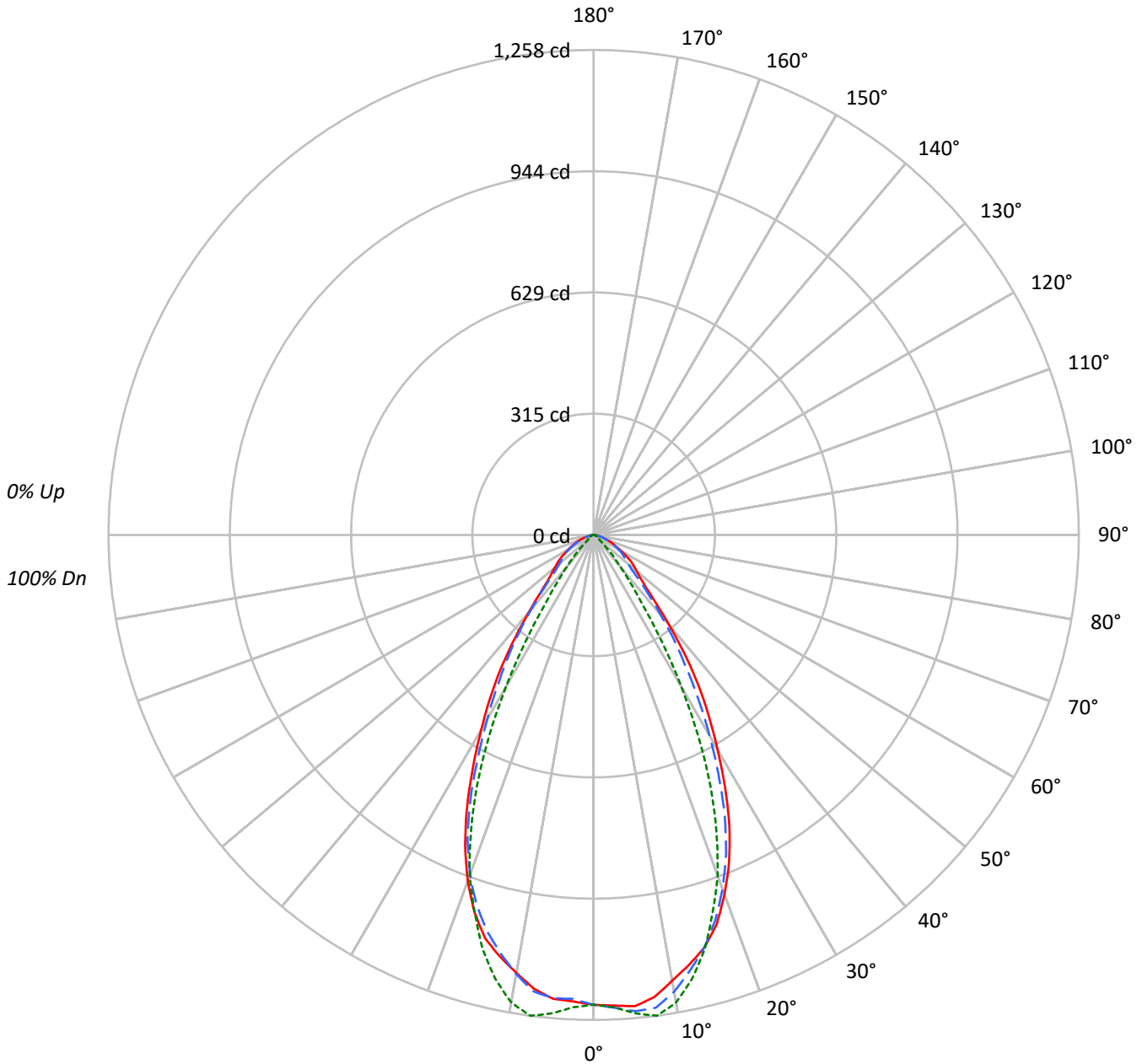
Lumens per Lamp: N/A
Luminaire Lumens: 1241.0 lumens
Efficiency: N/A
Efficacy: 56.9 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 21.8
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								
1	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91								
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83								
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76								
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70								
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64								
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59								
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55								
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51								
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48								
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	66826	66826	66826
5°	67527	68550	66465
10°	65335	68547	64199
15°	62883	63127	61544
20°	57878	54838	55707
25°	50368	43242	46920
30°	40620	28732	36854
35°	31494	14817	27679
40°	21612	7679	18635
45°	14808	3845	13071
50°	12324	1637	11206
55°	11077	1424	10016
60°	8771	1360	8366
65°	7238	1206	7160
70°	5866	1090	5866
75°	4342	1186	4596
80°	2557	979	2747
85°	1950	1195	1950



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.0	9.4
10°-20°	304.6	24.5
20°-30°	347.6	28.0
30°-40°	230.5	18.6
40°-50°	111.2	9.0
50°-60°	68.4	5.5
60°-70°	41.4	3.3
70°-80°	17.4	1.4
80°-90°	3.9	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°	768.2	61.9
0°-40°	998.8	80.5
0°-60°	1178.4	95.0
0°-90°	1241.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1241.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1219	1219	1219	1219	1219	
5°	1227	1240	1246	1206	1208	115
15°	1108	1108	1112	1065	1084	309
25°	833	805	715	756	776	378
35°	471	415	221	387	414	291
45°	191	167	50	156	169	156
55°	116	94	15	94	105	102
65°	56	53	9	50	55	56
75°	20	20	6	19	22	22
85°	3	4	2	3	3	4
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°	1219.0	1219.0	1219.0	1219.0	1219.0	1219.0	1219.0	1219.0	1219.0
2.5°	1222.1	1223.9	1227.7	1228.3	1226.4	1214.6	1204.7	1208.4	1211.5
5°	1227.1	1230.8	1240.1	1248.8	1245.7	1225.8	1206.0	1205.3	1207.8
7.5°	1209.1	1217.7	1237.0	1258.7	1258.1	1223.9	1194.8	1187.4	1187.4
10°	1173.7	1181.8	1202.9	1232.0	1231.4	1188.6	1156.4	1152.6	1153.3
12.5°	1142.1	1145.8	1156.4	1179.3	1179.3	1137.1	1112.3	1116.1	1121.0
15°	1108.0	1110.5	1108.0	1115.4	1112.3	1077.6	1065.2	1077.0	1084.4
17.5°	1059.6	1060.9	1047.9	1037.9	1026.2	1004.5	1007.6	1024.9	1026.8
20°	992.1	1000.1	976.6	951.1	940.0	919.5	936.9	956.1	954.9
22.5°	917.7	927.0	896.6	854.4	831.5	823.4	854.4	871.8	871.1
25°	832.7	839.5	804.8	745.9	714.9	713.7	756.4	774.4	775.7
27.5°	737.2	739.7	700.6	623.8	585.3	594.6	648.6	673.4	676.5
30°	641.7	640.5	600.2	504.7	453.9	479.3	551.8	579.1	582.2
32.5°	554.3	550.6	504.7	390.6	329.9	367.7	463.2	491.7	496.6
35°	470.6	464.4	414.8	288.9	221.4	277.8	386.9	411.7	413.6
37.5°	383.2	380.1	341.0	216.4	154.4	210.8	315.6	333.6	331.7
40°	302.0	302.0	269.7	160.6	107.3	156.9	249.9	266.0	260.4
42.5°	236.9	240.0	212.7	118.4	76.3	116.6	197.8	212.7	206.5
45°	191.0	191.0	167.4	88.0	49.6	86.8	156.2	169.9	168.6
47.5°	161.8	159.3	135.8	64.5	27.3	65.1	131.4	148.2	147.6
50°	144.5	140.7	116.6	50.8	19.2	53.9	115.3	130.8	131.4
52.5°	130.8	125.2	104.8	45.3	16.7	47.1	104.8	117.2	117.2
55°	115.9	112.8	94.2	40.3	14.9	42.2	94.2	105.4	104.8
57.5°	98.0	97.3	84.3	36.6	13.6	37.2	84.3	91.1	88.7
60°	80.0	82.5	73.2	32.9	12.4	33.5	71.9	77.5	76.3
62.5°	67.0	70.1	63.9	29.1	10.5	29.8	60.8	66.3	65.1
65°	55.8	58.3	53.3	24.8	9.3	24.8	50.2	55.2	55.2
67.5°	45.9	47.7	44.0	20.5	8.1	20.5	40.9	45.3	45.9
70°	36.6	37.8	34.7	16.1	6.8	16.7	32.2	36.6	36.6
72.5°	28.5	29.1	27.3	13.0	6.2	13.0	24.8	28.5	28.5
75°	20.5	21.7	20.5	9.9	5.6	9.9	19.2	21.1	21.7
77.5°	11.8	14.9	14.9	8.1	4.3	7.4	13.6	14.3	14.3
80°	8.1	9.3	10.5	5.6	3.1	5.6	8.7	9.3	8.7
82.5°	5.6	6.2	6.2	3.7	2.5	3.7	5.6	6.2	5.6
85°	3.1	4.3	4.3	3.1	1.9	2.5	3.1	3.7	3.1
87.5°	1.9	2.5	3.1	2.5	1.9	1.9	1.9	1.9	1.2
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)