

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: P799448

Luminaire Tested: **LD6C20D010 EU6209040 6LBMDDWGPB**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799448
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 EU6209040 6LBMDDWGPH
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

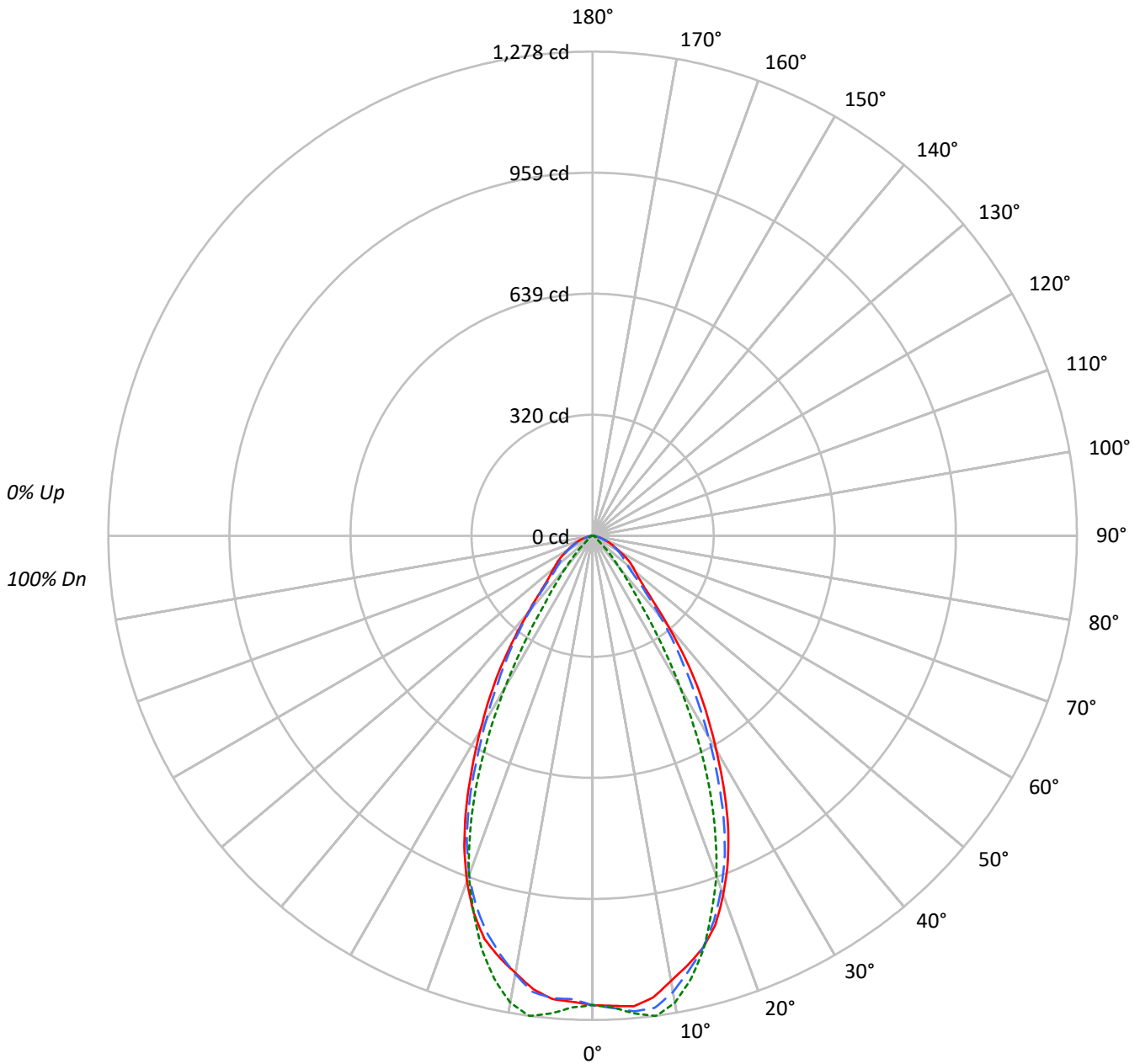
Lumens per Lamp: N/A
Luminaire Lumens: 1261.0 lumens
Efficiency: N/A
Efficacy: 57.8 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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									
RC	80									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°	67900	67900	67900
5°	68611	69651	67538
10°	66387	69649	65235
15°	63899	64149	62537
20°	58805	55719	56600
25°	51178	43938	47676
30°	41279	29194	37449
35°	32003	15051	28121
40°	21955	7800	18935
45°	15040	3907	13288
50°	12520	1663	11394
55°	11259	1443	10179
60°	8914	1381	8497
65°	7355	1232	7277
70°	5963	1106	5963
75°	4406	1207	4681
80°	2589	1010	2778
85°	2013	1195	2013



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.9	9.3
10°-20°	309.5	24.5
20°-30°	353.2	28.0
30°-40°	234.3	18.6
40°-50°	113.0	9.0
50°-60°	69.5	5.5
60°-70°	42.1	3.3
70°-80°	17.7	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°	780.6	61.9
0°-40°	1014.9	80.5
0°-60°	1197.4	95.0
0°-90°	1261.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1261.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1239	1239	1239	1239	1239	
5°	1247	1260	1266	1225	1227	117
15°	1126	1126	1130	1082	1102	314
25°	846	818	726	769	788	384
35°	478	422	225	393	420	296
45°	194	170	50	159	171	158
55°	118	96	15	96	106	104
65°	57	54	10	51	56	57
75°	21	21	6	20	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°	1238.6	1238.6	1238.6	1238.6	1238.6	1238.6	1238.6	1238.6	1238.6
2.5°	1241.8	1243.7	1247.5	1248.1	1246.2	1234.2	1224.1	1227.9	1231.1
5°	1246.8	1250.6	1260.1	1268.9	1265.7	1245.6	1225.4	1224.8	1227.3
7.5°	1228.6	1237.4	1256.9	1279.0	1278.3	1243.7	1214.1	1206.5	1206.5
10°	1192.6	1200.8	1222.3	1251.9	1251.2	1207.8	1175.0	1171.2	1171.9
12.5°	1160.5	1164.3	1175.0	1198.3	1198.3	1155.5	1130.3	1134.1	1139.1
15°	1125.9	1128.4	1125.9	1133.4	1130.3	1095.0	1082.4	1094.4	1101.9
17.5°	1076.7	1078.0	1064.7	1054.7	1042.7	1020.6	1023.8	1041.4	1043.3
20°	1008.0	1016.2	992.3	966.5	955.1	934.3	952.0	971.5	970.2
22.5°	932.4	941.9	911.0	868.2	844.9	836.7	868.2	885.8	885.2
25°	846.1	853.1	817.8	757.9	726.4	725.2	768.6	786.9	788.2
27.5°	749.1	751.6	711.9	633.8	594.7	604.2	659.0	684.2	687.4
30°	652.1	650.8	609.9	512.8	461.2	487.0	560.7	588.4	591.6
32.5°	563.2	559.5	512.8	396.9	335.2	373.6	470.6	499.6	504.7
35°	478.2	471.9	421.5	293.6	224.9	282.3	393.1	418.3	420.2
37.5°	389.4	386.2	346.5	219.9	156.9	214.2	320.7	339.0	337.1
40°	306.8	306.8	274.1	163.2	109.0	159.4	253.9	270.3	264.6
42.5°	240.7	243.8	216.1	120.3	77.5	118.4	201.0	216.1	209.8
45°	194.0	194.0	170.1	89.5	50.4	88.2	158.8	172.6	171.4
47.5°	164.4	161.9	138.0	65.5	27.7	66.2	133.6	150.6	149.9
50°	146.8	143.0	118.4	51.7	19.5	54.8	117.2	132.9	133.6
52.5°	132.9	127.3	106.5	46.0	17.0	47.9	106.5	119.1	119.1
55°	117.8	114.7	95.8	41.0	15.1	42.8	95.8	107.1	106.5
57.5°	99.5	98.9	85.7	37.2	13.9	37.8	85.7	92.6	90.1
60°	81.3	83.8	74.3	33.4	12.6	34.0	73.1	78.8	77.5
62.5°	68.0	71.2	64.9	29.6	10.7	30.2	61.7	67.4	66.2
65°	56.7	59.2	54.2	25.2	9.5	25.2	51.0	56.1	56.1
67.5°	46.6	48.5	44.7	20.8	8.2	20.8	41.6	46.0	46.6
70°	37.2	38.4	35.3	16.4	6.9	17.0	32.8	37.2	37.2
72.5°	29.0	29.6	27.7	13.2	6.3	13.2	25.2	29.0	29.0
75°	20.8	22.1	20.8	10.1	5.7	10.1	19.5	21.4	22.1
77.5°	12.0	15.1	15.1	8.2	4.4	7.6	13.9	14.5	14.5
80°	8.2	9.5	10.7	5.7	3.2	5.7	8.8	9.5	8.8
82.5°	5.7	6.3	6.3	3.8	2.5	3.8	5.7	6.3	5.7
85°	3.2	4.4	4.4	3.2	1.9	2.5	3.2	3.8	3.2
87.5°	1.9	2.5	3.2	2.5	1.9	1.9	1.9	1.9	1.3
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)