

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: P799430

Luminaire Tested: **LD6C20D010 EU6209030 6LBMDSWGPH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799430
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: LD6C20D010 EU6209030 6LBMDSWGPH
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

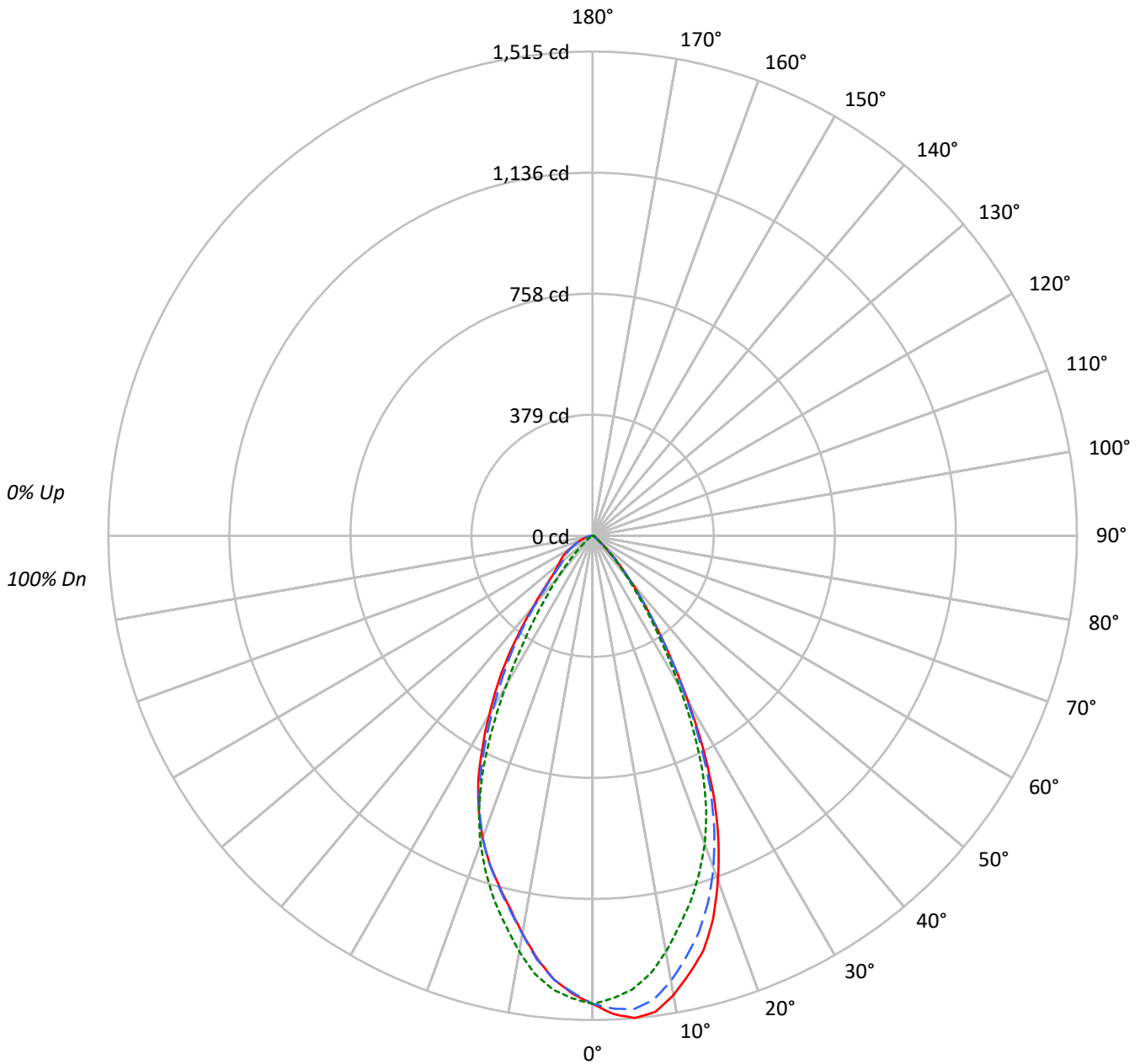
Lumens per Lamp: N/A
Luminaire Lumens: 1261.0 lumens
Efficiency: N/A
Efficacy: 57.8 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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				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	58	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°	80290	80290	80290
5°	83348	78406	76634
10°	81211	73546	70312
15°	76170	67202	64297
20°	66867	59826	58683
25°	54082	49152	51178
30°	37594	34239	40956
35°	23175	20974	30912
40°	13110	11758	20531
45°	6365	6070	14009
50°	2422	2422	11906
55°	1329	1567	10991
60°	965	1250	9001
65°	817	1064	7381
70°	705	914	6075
75°	678	932	5210
80°	410	789	3788
85°	377	1572	3585



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.1	10.6
10°-20°	337.0	26.7
20°-30°	379.4	30.1
30°-40°	234.9	18.6
40°-50°	93.5	7.4
50°-60°	42.6	3.4
60°-70°	24.5	1.9
70°-80°	11.6	0.9
80°-90°	3.4	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°	850.5	67.4
0°-40°	1085.4	86.1
0°-60°	1221.5	96.9
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°	1465	1465	1465	1465	1465	
5°	1515	1487	1425	1394	1393	143
15°	1342	1284	1184	1136	1133	371
25°	894	870	813	833	846	402
35°	346	344	313	437	462	223
45°	82	82	78	171	181	70
55°	14	13	16	101	115	14
65°	6	6	8	56	57	6
75°	3	3	4	24	25	3
85°	1	1	2	6	6	1
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°	1464.6	1464.6	1464.6	1464.6	1464.6	1464.6	1464.6	1464.6	1464.6
2.5°	1498.1	1484.2	1481.1	1469.1	1448.8	1437.5	1430.5	1425.5	1434.3
5°	1514.6	1499.4	1486.8	1462.1	1424.8	1404.0	1393.9	1385.7	1392.6
7.5°	1502.5	1481.1	1464.0	1429.9	1382.5	1350.3	1336.4	1326.9	1333.2
10°	1458.9	1433.0	1413.5	1373.0	1321.2	1282.7	1265.6	1256.8	1263.1
12.5°	1402.1	1380.6	1350.9	1306.7	1251.1	1210.6	1198.0	1191.0	1193.6
15°	1342.1	1316.8	1283.9	1239.7	1184.1	1143.7	1136.1	1131.6	1132.9
17.5°	1254.9	1230.2	1201.8	1158.8	1107.6	1074.8	1074.8	1071.6	1073.5
20°	1146.2	1132.9	1105.1	1069.1	1025.5	995.8	1005.3	1002.1	1005.9
22.5°	1028.7	1018.5	994.5	964.8	928.2	904.8	925.7	925.0	930.1
25°	894.1	886.5	870.1	844.8	812.6	798.0	832.8	832.8	846.1
27.5°	745.6	738.0	726.6	705.1	678.6	674.2	725.4	731.7	746.2
30°	593.9	588.9	582.6	563.0	540.9	549.1	619.8	630.6	647.0
32.5°	458.7	455.6	453.7	436.0	416.4	443.6	524.4	538.3	554.8
35°	346.3	339.3	344.4	331.1	313.4	347.5	436.6	448.6	461.9
37.5°	255.3	250.2	254.6	245.2	229.4	266.6	350.7	358.3	367.1
40°	183.2	178.8	182.6	176.9	164.3	199.0	274.9	283.1	286.9
42.5°	130.2	122.6	126.4	121.9	115.6	149.7	216.1	223.7	224.9
45°	82.1	79.6	82.1	79.6	78.3	111.2	170.6	177.6	180.7
47.5°	49.9	46.8	46.8	45.5	46.8	82.1	140.9	151.0	156.1
50°	28.4	27.2	26.5	25.9	28.4	64.4	121.9	133.3	139.6
52.5°	19.0	18.3	18.3	17.7	20.9	54.3	109.9	120.1	126.4
55°	13.9	13.3	13.3	13.3	16.4	46.8	101.1	109.3	115.0
57.5°	10.7	10.7	10.7	10.1	13.9	39.8	90.4	94.8	99.2
60°	8.8	8.2	8.2	8.2	11.4	34.1	77.7	79.6	82.1
62.5°	7.0	7.0	7.0	7.0	9.5	30.3	67.0	67.0	68.2
65°	6.3	5.7	5.7	5.7	8.2	26.5	56.2	55.6	56.9
67.5°	5.1	5.1	5.1	5.1	7.0	22.7	46.1	45.5	46.8
70°	4.4	4.4	4.4	4.4	5.7	19.0	37.3	36.6	37.9
72.5°	3.8	3.8	3.8	3.8	5.1	15.8	29.7	29.7	30.3
75°	3.2	3.2	3.2	3.2	4.4	12.0	24.0	24.0	24.6
77.5°	2.5	2.5	2.5	2.5	3.2	9.5	18.3	17.7	17.7
80°	1.3	1.9	1.9	1.9	2.5	7.0	13.3	12.0	12.0
82.5°	0.6	1.3	1.3	1.3	2.5	5.1	8.8	8.2	8.2
85°	0.6	0.6	0.6	1.9	2.5	3.8	5.7	5.7	5.7
87.5°	0.0	0.6	1.3	2.5	3.2	3.2	3.8	3.2	3.2
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)