

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: P799442

Luminaire Tested: **LD6C20D010 EU6209035 6LBMDSWGPH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799442
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 EU6209035 6LBMDSWGPH
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDSW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

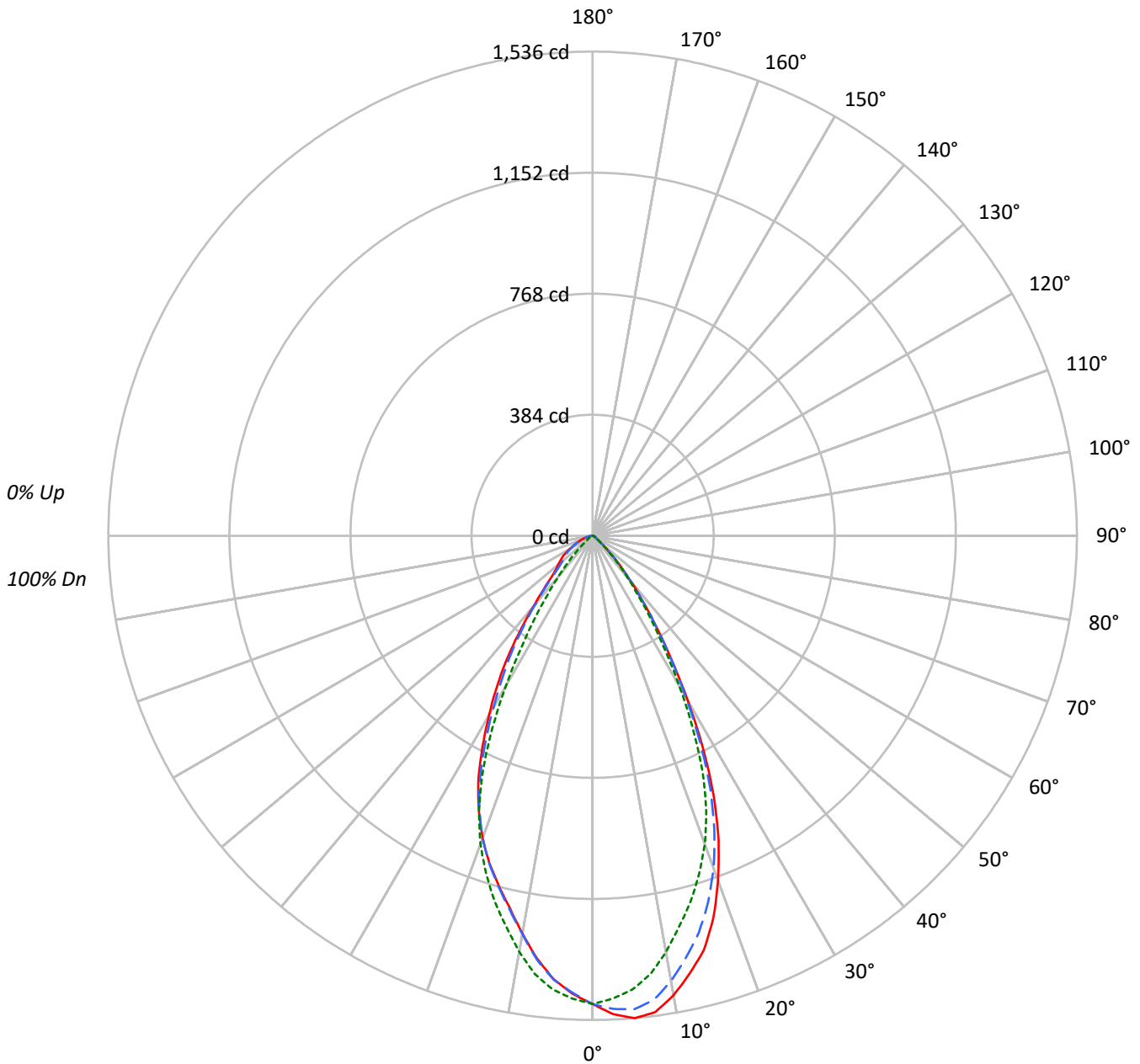
Lumens per Lamp: N/A
Luminaire Lumens: 1279.0 lumens
Efficiency: N/A
Efficacy: 58.7 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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				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°	81435	81435	81435
5°	84536	79529	77729
10°	82374	74598	71314
15°	77254	68162	65216
20°	67818	60678	59523
25°	54850	49854	51904
30°	38132	34727	41544
35°	23503	21275	31353
40°	13303	11922	20825
45°	6458	6163	14211
50°	2456	2456	12076
55°	1348	1596	11144
60°	987	1261	9133
65°	830	1077	7485
70°	721	930	6171
75°	678	953	5295
80°	410	821	3852
85°	377	1635	3648



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.0	10.6
10°-20°	341.8	26.7
20°-30°	384.8	30.1
30°-40°	238.3	18.6
40°-50°	94.9	7.4
50°-60°	43.2	3.4
60°-70°	24.8	1.9
70°-80°	11.8	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°	862.6	67.4
0°-40°	1100.8	86.1
0°-60°	1238.9	96.9
0°-90°	1279.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1279.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1486	1486	1486	1486	1486	
5°	1536	1508	1445	1414	1412	145
15°	1361	1302	1201	1152	1149	377
25°	907	882	824	845	858	408
35°	351	349	318	443	468	226
45°	83	83	80	173	183	71
55°	14	14	17	102	117	14
65°	6	6	8	57	58	6
75°	3	3	4	24	25	3
85°	1	1	3	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°	1485.5	1485.5	1485.5	1485.5	1485.5	1485.5	1485.5	1485.5	1485.5
2.5°	1519.5	1505.4	1502.2	1490.0	1469.5	1458.0	1450.9	1445.8	1454.8
5°	1536.2	1520.8	1508.0	1483.0	1445.2	1424.0	1413.8	1405.4	1412.5
7.5°	1524.0	1502.2	1484.9	1450.3	1402.2	1369.5	1355.4	1345.8	1352.2
10°	1479.8	1453.5	1433.6	1392.6	1340.1	1301.0	1283.7	1274.7	1281.1
12.5°	1422.1	1400.3	1370.2	1325.3	1268.9	1227.9	1215.1	1208.0	1210.6
15°	1361.2	1335.6	1302.3	1257.4	1201.0	1160.0	1152.3	1147.8	1149.1
17.5°	1272.8	1247.8	1218.9	1175.4	1123.4	1090.1	1090.1	1086.9	1088.8
20°	1162.5	1149.1	1120.9	1084.4	1040.1	1010.0	1019.6	1016.4	1020.3
22.5°	1043.3	1033.1	1008.7	978.6	941.4	917.7	938.9	938.2	943.4
25°	906.8	899.1	882.5	856.8	824.2	809.4	844.7	844.7	858.1
27.5°	756.2	748.5	737.0	715.2	688.3	683.8	735.7	742.1	756.9
30°	602.4	597.3	590.9	571.0	548.6	556.9	628.7	639.6	656.3
32.5°	465.3	462.1	460.1	442.2	422.3	449.9	531.9	546.0	562.7
35°	351.2	344.1	349.3	335.8	317.9	352.5	442.8	455.0	468.5
37.5°	258.9	253.8	258.3	248.7	232.6	270.4	355.7	363.4	372.3
40°	185.9	181.4	185.2	179.4	166.6	201.9	278.8	287.1	291.0
42.5°	132.0	124.3	128.2	123.7	117.3	151.9	219.2	226.9	228.2
45°	83.3	80.7	83.3	80.7	79.5	112.8	173.0	180.1	183.3
47.5°	50.6	47.4	47.4	46.1	47.4	83.3	142.9	153.2	158.3
50°	28.8	27.6	26.9	26.3	28.8	65.4	123.7	135.2	141.6
52.5°	19.2	18.6	18.6	17.9	21.1	55.1	111.5	121.8	128.2
55°	14.1	13.5	13.5	13.5	16.7	47.4	102.5	110.9	116.6
57.5°	10.9	10.9	10.9	10.3	14.1	40.4	91.6	96.1	100.6
60°	9.0	8.3	8.3	8.3	11.5	34.6	78.8	80.7	83.3
62.5°	7.0	7.0	7.0	7.0	9.6	30.8	67.9	67.9	69.2
65°	6.4	5.8	5.8	5.8	8.3	26.9	57.0	56.4	57.7
67.5°	5.1	5.1	5.1	5.1	7.0	23.1	46.8	46.1	47.4
70°	4.5	4.5	4.5	4.5	5.8	19.2	37.8	37.2	38.5
72.5°	3.8	3.8	3.8	3.8	5.1	16.0	30.1	30.1	30.8
75°	3.2	3.2	3.2	3.2	4.5	12.2	24.4	24.4	25.0
77.5°	2.6	2.6	2.6	2.6	3.2	9.6	18.6	17.9	17.9
80°	1.3	1.9	1.9	1.9	2.6	7.0	13.5	12.2	12.2
82.5°	0.6	1.3	1.3	1.3	2.6	5.1	9.0	8.3	8.3
85°	0.6	0.6	0.6	1.9	2.6	3.8	5.8	5.8	5.8
87.5°	0.0	0.6	1.3	2.6	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)