

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: P799466

Luminaire Tested: **LD6C20D010 EU6209050 6LBMDSWGPH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799466
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 EU6209050 6LBMDSWGPH
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

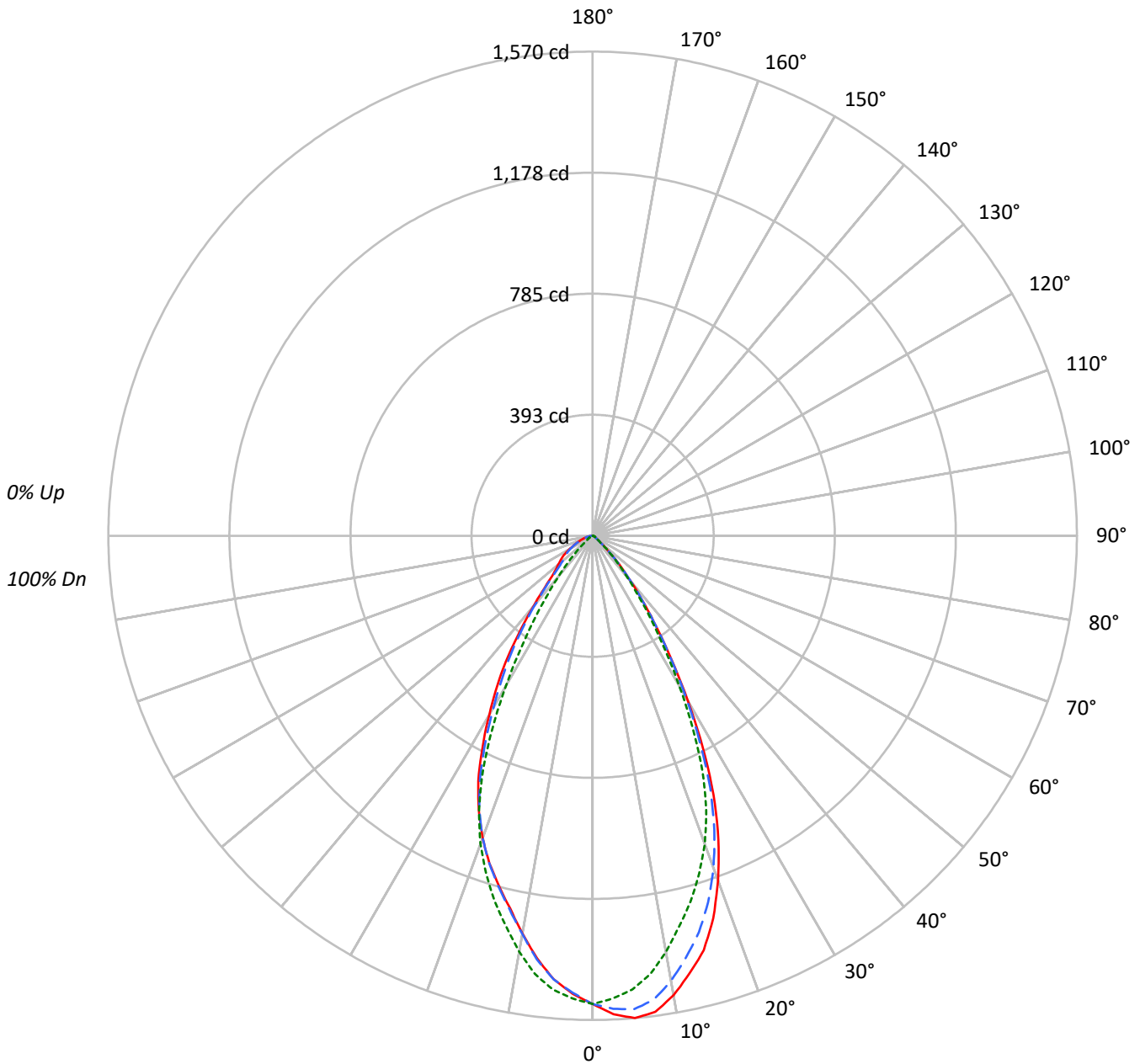
Lumens per Lamp: N/A
Luminaire Lumens: 1307.0 lumens
Efficiency: N/A
Efficacy: 60.0 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	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°	83222	83222	83222
5°	86385	81268	79430
10°	84178	76229	72872
15°	78945	69654	66641
20°	69306	62008	60824
25°	56054	50942	53041
30°	38968	35486	42450
35°	24019	21737	32036
40°	13590	12187	21276
45°	6598	6295	14521
50°	2516	2516	12341
55°	1376	1625	11393
60°	1009	1294	9330
65°	843	1103	7640
70°	737	946	6299
75°	699	974	5401
80°	410	821	3915
85°	440	1635	3711



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.0	10.6
10°-20°	349.3	26.7
20°-30°	393.2	30.1
30°-40°	243.5	18.6
40°-50°	97.0	7.4
50°-60°	44.1	3.4
60°-70°	25.4	1.9
70°-80°	12.0	0.9
80°-90°	3.5	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°	881.5	67.4
0°-40°	1125.0	86.1
0°-60°	1266.1	96.9
0°-90°	1307.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1307.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1518	1518	1518	1518	1518	
5°	1570	1541	1477	1445	1443	148
15°	1391	1331	1227	1178	1174	385
25°	927	902	842	863	877	417
35°	359	357	325	452	479	231
45°	85	85	81	177	187	72
55°	14	14	17	105	119	14
65°	6	6	8	58	59	6
75°	3	3	5	25	26	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°	1518.1	1518.1	1518.1	1518.1	1518.1	1518.1	1518.1	1518.1	1518.1
2.5°	1552.8	1538.4	1535.1	1522.6	1501.7	1489.9	1482.7	1477.5	1486.6
5°	1569.8	1554.1	1541.0	1515.4	1476.8	1455.2	1444.7	1436.2	1443.4
7.5°	1557.4	1535.1	1517.4	1482.0	1432.9	1399.5	1385.1	1375.3	1381.8
10°	1512.2	1485.3	1465.0	1423.1	1369.4	1329.5	1311.8	1302.6	1309.1
12.5°	1453.2	1431.0	1400.2	1354.3	1296.7	1254.8	1241.7	1234.5	1237.1
15°	1391.0	1364.8	1330.8	1284.9	1227.3	1185.4	1177.5	1172.9	1174.2
17.5°	1300.6	1275.1	1245.6	1201.1	1148.0	1114.0	1114.0	1110.7	1112.7
20°	1188.0	1174.2	1145.4	1108.1	1062.9	1032.1	1041.9	1038.7	1042.6
22.5°	1066.2	1055.7	1030.8	1000.0	962.1	937.8	959.4	958.8	964.0
25°	926.7	918.8	901.8	875.6	842.2	827.1	863.2	863.2	876.9
27.5°	772.8	764.9	753.1	730.9	703.4	698.8	751.8	758.4	773.4
30°	615.6	610.4	603.8	583.5	560.6	569.1	642.5	653.6	670.6
32.5°	475.5	472.2	470.2	451.9	431.6	459.7	543.6	558.0	575.0
35°	358.9	351.7	356.9	343.2	324.8	360.2	452.5	465.0	478.7
37.5°	264.6	259.3	263.9	254.1	237.7	276.4	363.5	371.3	380.5
40°	189.9	185.3	189.3	183.4	170.3	206.3	284.9	293.4	297.3
42.5°	134.9	127.1	131.0	126.4	119.8	155.2	224.0	231.8	233.1
45°	85.1	82.5	85.1	82.5	81.2	115.3	176.8	184.0	187.3
47.5°	51.7	48.5	48.5	47.2	48.5	85.1	146.0	156.5	161.8
50°	29.5	28.2	27.5	26.9	29.5	66.8	126.4	138.2	144.7
52.5°	19.6	19.0	19.0	18.3	21.6	56.3	114.0	124.4	131.0
55°	14.4	13.8	13.8	13.8	17.0	48.5	104.8	113.3	119.2
57.5°	11.1	11.1	11.1	10.5	14.4	41.3	93.7	98.2	102.8
60°	9.2	8.5	8.5	8.5	11.8	35.4	80.6	82.5	85.1
62.5°	7.2	7.2	7.2	7.2	9.8	31.4	69.4	69.4	70.7
65°	6.5	5.9	5.9	5.9	8.5	27.5	58.3	57.6	58.9
67.5°	5.2	5.2	5.2	5.2	7.2	23.6	47.8	47.2	48.5
70°	4.6	4.6	4.6	4.6	5.9	19.6	38.6	38.0	39.3
72.5°	3.9	3.9	3.9	3.9	5.2	16.4	30.8	30.8	31.4
75°	3.3	3.3	3.3	3.3	4.6	12.4	24.9	24.9	25.5
77.5°	2.6	2.6	2.6	2.6	3.3	9.8	19.0	18.3	18.3
80°	1.3	2.0	2.0	2.0	2.6	7.2	13.8	12.4	12.4
82.5°	0.7	1.3	1.3	1.3	2.6	5.2	9.2	8.5	8.5
85°	0.7	0.7	0.7	2.0	2.6	3.9	5.9	5.9	5.9
87.5°	0.0	0.7	1.3	2.6	3.3	3.3	3.9	3.3	3.3
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)