

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: P799418

Luminaire Tested: **LD6C20D010 EU6209027 6LBMDSWGPH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799418
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 EU6209027 6LBMDSWGPH
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDSW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

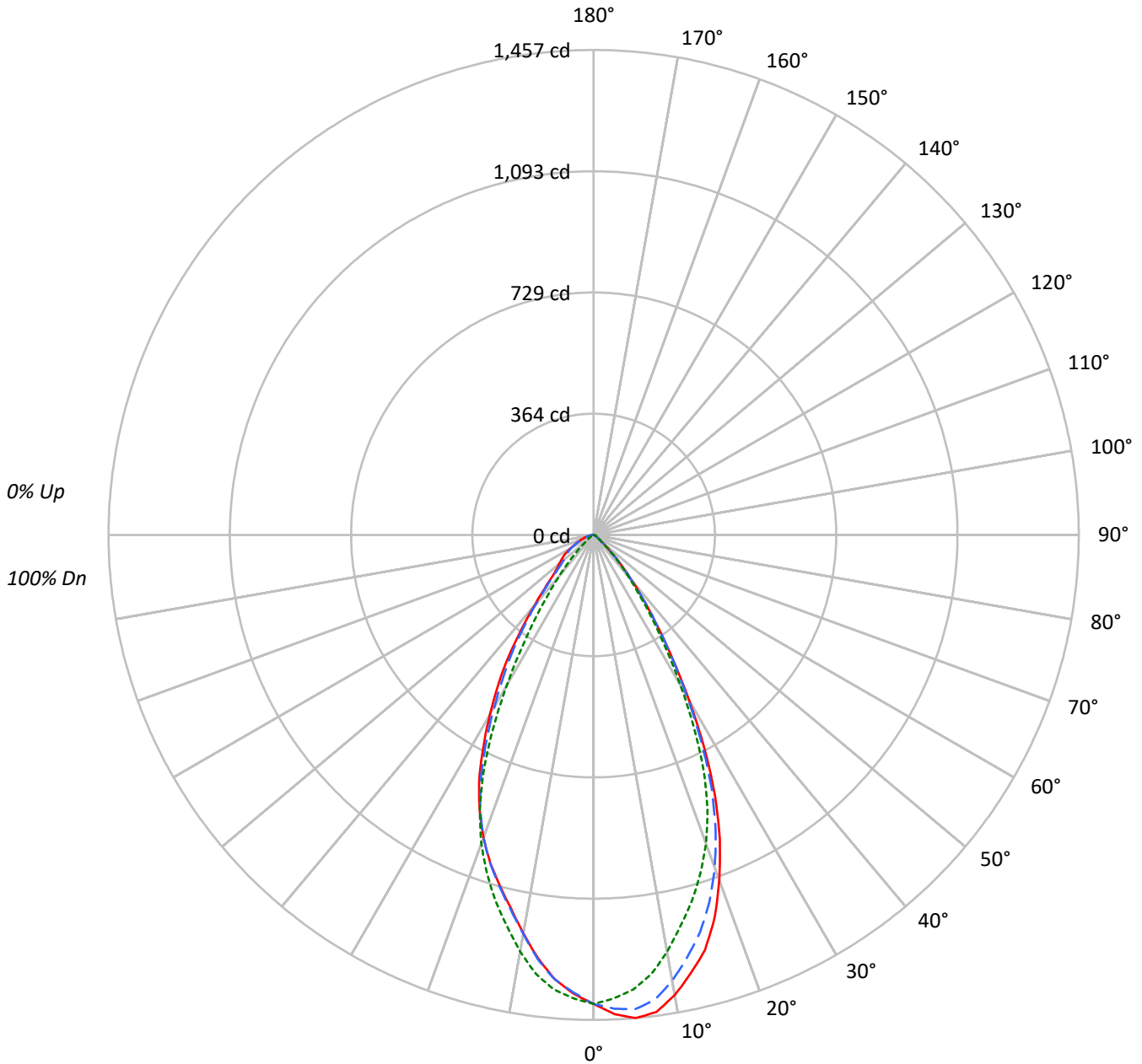
Lumens per Lamp: N/A
Luminaire Lumens: 1213.0 lumens
Efficiency: N/A
Efficacy: 55.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	77236	77236	77236
5°	80173	75424	73718
10°	78121	70746	67634
15°	73269	64643	61851
20°	64324	57551	56448
25°	52019	47277	49225
30°	36164	32935	39398
35°	22292	20177	29734
40°	12616	11307	19744
45°	6125	5846	13474
50°	2337	2337	11454
55°	1281	1510	10571
60°	932	1195	8662
65°	791	1025	7095
70°	689	882	5850
75°	635	911	5020
80°	379	758	3631
85°	377	1510	3459



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.0	10.6
10°-20°	324.2	26.7
20°-30°	364.9	30.1
30°-40°	226.0	18.6
40°-50°	90.0	7.4
50°-60°	41.0	3.4
60°-70°	23.6	1.9
70°-80°	11.2	0.9
80°-90°	3.2	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°	818.1	67.4
0°-40°	1044.1	86.1
0°-60°	1175.0	96.9
0°-90°	1213.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1213.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1409	1409	1409	1409	1409	
5°	1457	1430	1371	1341	1340	137
15°	1291	1235	1139	1093	1090	357
25°	860	837	782	801	814	387
35°	333	331	302	420	444	214
45°	79	79	75	164	174	67
55°	13	13	16	97	111	13
65°	6	6	8	54	55	6
75°	3	3	4	23	24	3
85°	1	1	2	6	6	0
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°	1408.9	1408.9	1408.9	1408.9	1408.9	1408.9	1408.9	1408.9	1408.9
2.5°	1441.1	1427.7	1424.7	1413.1	1393.7	1382.7	1376.1	1371.2	1379.7
5°	1456.9	1442.3	1430.2	1406.5	1370.6	1350.5	1340.8	1332.9	1339.6
7.5°	1445.4	1424.7	1408.3	1375.5	1329.9	1298.9	1285.5	1276.4	1282.5
10°	1403.4	1378.5	1359.7	1320.8	1270.9	1233.8	1217.4	1208.9	1215.0
12.5°	1348.7	1328.0	1299.5	1256.9	1203.4	1164.5	1152.4	1145.7	1148.1
15°	1291.0	1266.7	1235.1	1192.5	1139.0	1100.1	1092.8	1088.6	1089.8
17.5°	1207.1	1183.4	1156.0	1114.7	1065.5	1033.9	1033.9	1030.8	1032.7
20°	1102.6	1089.8	1063.0	1028.4	986.5	957.9	967.0	964.0	967.6
22.5°	989.5	979.8	956.7	928.1	892.9	870.4	890.4	889.8	894.7
25°	860.0	852.7	836.9	812.6	781.6	767.7	801.1	801.1	813.8
27.5°	717.2	709.9	699.0	678.3	652.8	648.5	697.8	703.8	717.8
30°	571.3	566.5	560.4	541.6	520.3	528.2	596.3	606.6	622.4
32.5°	441.3	438.2	436.4	419.4	400.5	426.7	504.5	517.8	533.6
35°	333.1	326.4	331.3	318.5	301.5	334.3	420.0	431.5	444.3
37.5°	245.6	240.7	244.9	235.8	220.6	256.5	337.3	344.6	353.1
40°	176.3	172.0	175.7	170.2	158.0	191.5	264.4	272.3	275.9
42.5°	125.2	117.9	121.6	117.3	111.2	144.0	207.9	215.2	216.4
45°	79.0	76.6	79.0	76.6	75.4	107.0	164.1	170.8	173.8
47.5°	48.0	45.0	45.0	43.8	45.0	79.0	135.5	145.3	150.1
50°	27.4	26.1	25.5	24.9	27.4	62.0	117.3	128.2	134.3
52.5°	18.2	17.6	17.6	17.0	20.1	52.3	105.8	115.5	121.6
55°	13.4	12.8	12.8	12.8	15.8	45.0	97.2	105.1	110.6
57.5°	10.3	10.3	10.3	9.7	13.4	38.3	86.9	91.2	95.4
60°	8.5	7.9	7.9	7.9	10.9	32.8	74.8	76.6	79.0
62.5°	6.7	6.7	6.7	6.7	9.1	29.2	64.4	64.4	65.6
65°	6.1	5.5	5.5	5.5	7.9	25.5	54.1	53.5	54.7
67.5°	4.9	4.9	4.9	4.9	6.7	21.9	44.4	43.8	45.0
70°	4.3	4.3	4.3	4.3	5.5	18.2	35.9	35.3	36.5
72.5°	3.6	3.6	3.6	3.6	4.9	15.2	28.6	28.6	29.2
75°	3.0	3.0	3.0	3.0	4.3	11.5	23.1	23.1	23.7
77.5°	2.4	2.4	2.4	2.4	3.0	9.1	17.6	17.0	17.0
80°	1.2	1.8	1.8	1.8	2.4	6.7	12.8	11.5	11.5
82.5°	0.6	1.2	1.2	1.2	2.4	4.9	8.5	7.9	7.9
85°	0.6	0.6	0.6	1.8	2.4	3.6	5.5	5.5	5.5
87.5°	0.0	0.6	1.2	2.4	3.0	3.0	3.6	3.0	3.0
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)