

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: P799413

Luminaire Tested: **LD6C20D010 EU6209027 6LBMDDWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799413
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 EU6209027 6LBMDDWH
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDDW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

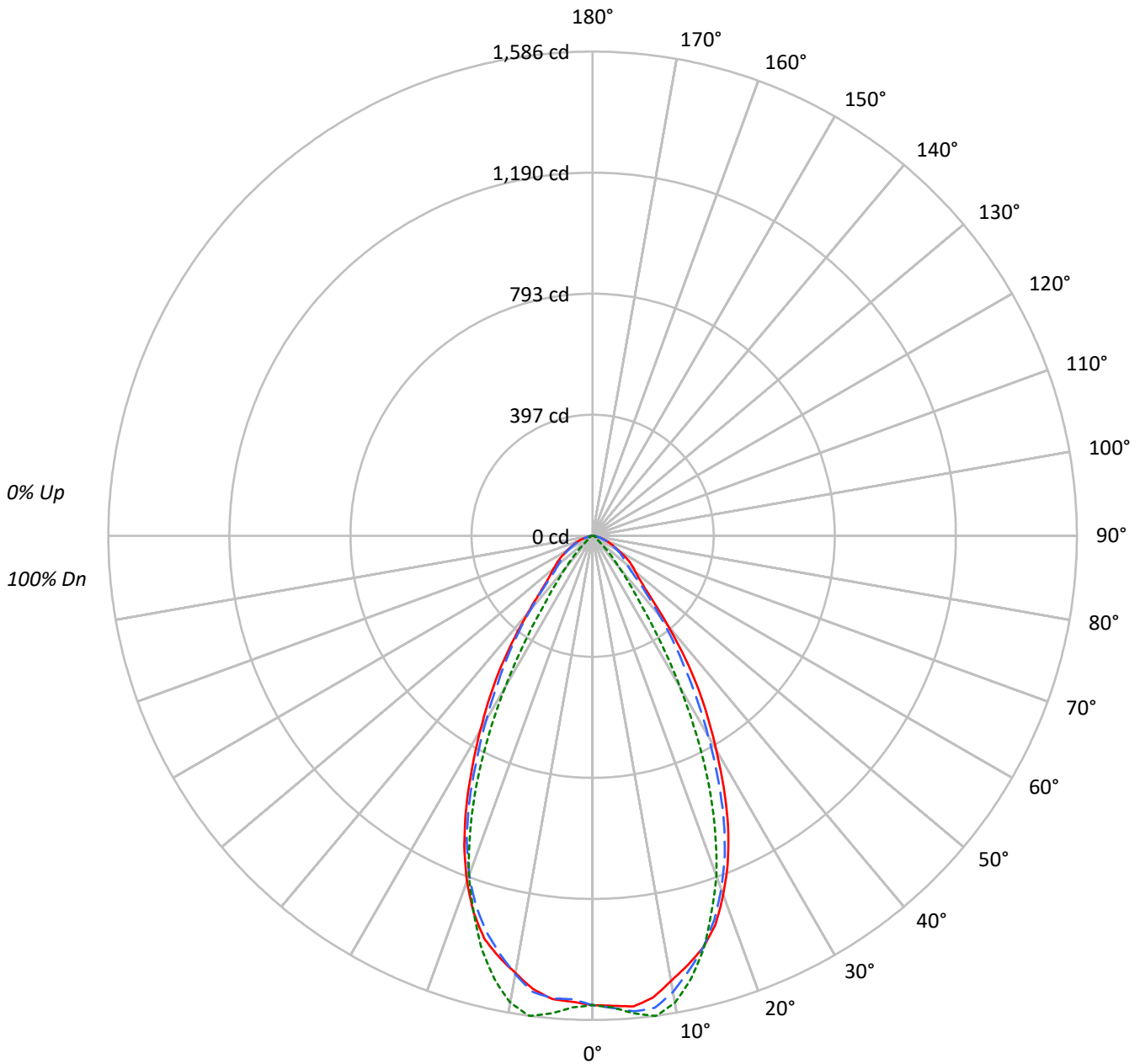
Lumens per Lamp: N/A
Luminaire Lumens: 1565.0 lumens
Efficiency: N/A
Efficacy: 71.8 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	84270	84270	84270
5°	85153	86446	83821
10°	82397	86444	80960
15°	79302	79615	77617
20°	72987	69154	70245
25°	63518	54529	59169
30°	51229	36233	46476
35°	39719	18678	34900
40°	27251	9682	23501
45°	18669	4853	16490
50°	15539	2064	14140
55°	13973	1797	12626
60°	11063	1710	10547
65°	9132	1518	9028
70°	7389	1378	7389
75°	5465	1483	5804
80°	3220	1231	3441
85°	2453	1447	2453



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.3	9.4
10°-20°	384.1	24.5
20°-30°	438.4	28.0
30°-40°	290.7	18.6
40°-50°	140.2	9.0
50°-60°	86.3	5.5
60°-70°	52.2	3.3
70°-80°	22.0	1.4
80°-90°	4.8	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°	968.8	61.9
0°-40°	1259.5	80.5
0°-60°	1486.0	95.0
0°-90°	1565.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1565.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1537	1537	1537	1537	1537	
5°	1547	1564	1571	1521	1523	145
15°	1397	1397	1403	1343	1368	389
25°	1050	1015	902	954	978	476
35°	594	523	279	488	522	367
45°	241	211	63	197	213	196
55°	146	119	19	119	132	129
65°	70	67	12	63	70	71
75°	26	26	7	24	27	28
85°	4	6	2	4	4	5
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°	1537.2	1537.2	1537.2	1537.2	1537.2	1537.2	1537.2	1537.2	1537.2
2.5°	1541.2	1543.5	1548.2	1549.0	1546.6	1531.8	1519.3	1524.0	1527.9
5°	1547.4	1552.1	1563.8	1574.8	1570.9	1545.8	1520.8	1520.0	1523.2
7.5°	1524.7	1535.7	1559.9	1587.3	1586.5	1543.5	1506.7	1497.4	1497.4
10°	1480.2	1490.3	1516.9	1553.7	1552.9	1498.9	1458.3	1453.6	1454.4
12.5°	1440.3	1445.0	1458.3	1487.2	1487.2	1434.0	1402.8	1407.4	1413.7
15°	1397.3	1400.4	1397.3	1406.7	1402.8	1359.0	1343.3	1358.2	1367.6
17.5°	1336.3	1337.9	1321.4	1308.9	1294.1	1266.7	1270.6	1292.5	1294.8
20°	1251.1	1261.2	1231.5	1199.5	1185.4	1159.6	1181.5	1205.7	1204.1
22.5°	1157.2	1169.0	1130.6	1077.5	1048.5	1038.4	1077.5	1099.4	1098.6
25°	1050.1	1058.7	1014.9	940.6	901.5	900.0	953.9	976.6	978.2
27.5°	929.7	932.8	883.6	786.6	738.1	749.9	817.9	849.2	853.1
30°	809.3	807.7	756.9	636.5	572.4	604.4	695.9	730.3	734.2
32.5°	699.0	694.3	636.5	492.6	416.0	463.7	584.1	620.1	626.3
35°	593.5	585.7	523.1	364.4	279.1	350.3	487.9	519.2	521.5
37.5°	483.2	479.3	430.1	272.9	194.7	265.9	398.0	420.7	418.3
40°	380.8	380.8	340.1	202.5	135.3	197.8	315.1	335.4	328.4
42.5°	298.7	302.6	268.2	149.3	96.2	147.0	249.4	268.2	260.4
45°	240.8	240.8	211.1	111.0	62.6	109.5	197.0	214.2	212.7
47.5°	204.1	201.0	171.2	81.3	34.4	82.1	165.8	186.9	186.1
50°	182.2	177.5	147.0	64.1	24.2	68.0	145.4	165.0	165.8
52.5°	165.0	157.9	132.1	57.1	21.1	59.4	132.1	147.8	147.8
55°	146.2	142.3	118.9	50.8	18.8	53.2	118.9	132.9	132.1
57.5°	123.5	122.8	106.3	46.1	17.2	46.9	106.3	114.9	111.8
60°	100.9	104.0	92.3	41.4	15.6	42.2	90.7	97.7	96.2
62.5°	84.4	88.4	80.5	36.7	13.3	37.5	76.6	83.7	82.1
65°	70.4	73.5	67.2	31.3	11.7	31.3	63.3	69.6	69.6
67.5°	57.9	60.2	55.5	25.8	10.2	25.8	51.6	57.1	57.9
70°	46.1	47.7	43.8	20.3	8.6	21.1	40.7	46.1	46.1
72.5°	36.0	36.7	34.4	16.4	7.8	16.4	31.3	36.0	36.0
75°	25.8	27.4	25.8	12.5	7.0	12.5	24.2	26.6	27.4
77.5°	14.9	18.8	18.8	10.2	5.5	9.4	17.2	18.0	18.0
80°	10.2	11.7	13.3	7.0	3.9	7.0	10.9	11.7	10.9
82.5°	7.0	7.8	7.8	4.7	3.1	4.7	7.0	7.8	7.0
85°	3.9	5.5	5.5	3.9	2.3	3.1	3.9	4.7	3.9
87.5°	2.3	3.1	3.9	3.1	2.3	2.3	2.3	2.3	1.6
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)