

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: P799508

Luminaire Tested: **LD6C25D010 EU6259040 6LBMDDWGPB**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799508
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: LD6C25D010 EU6259040 6LBMDDWGPH
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

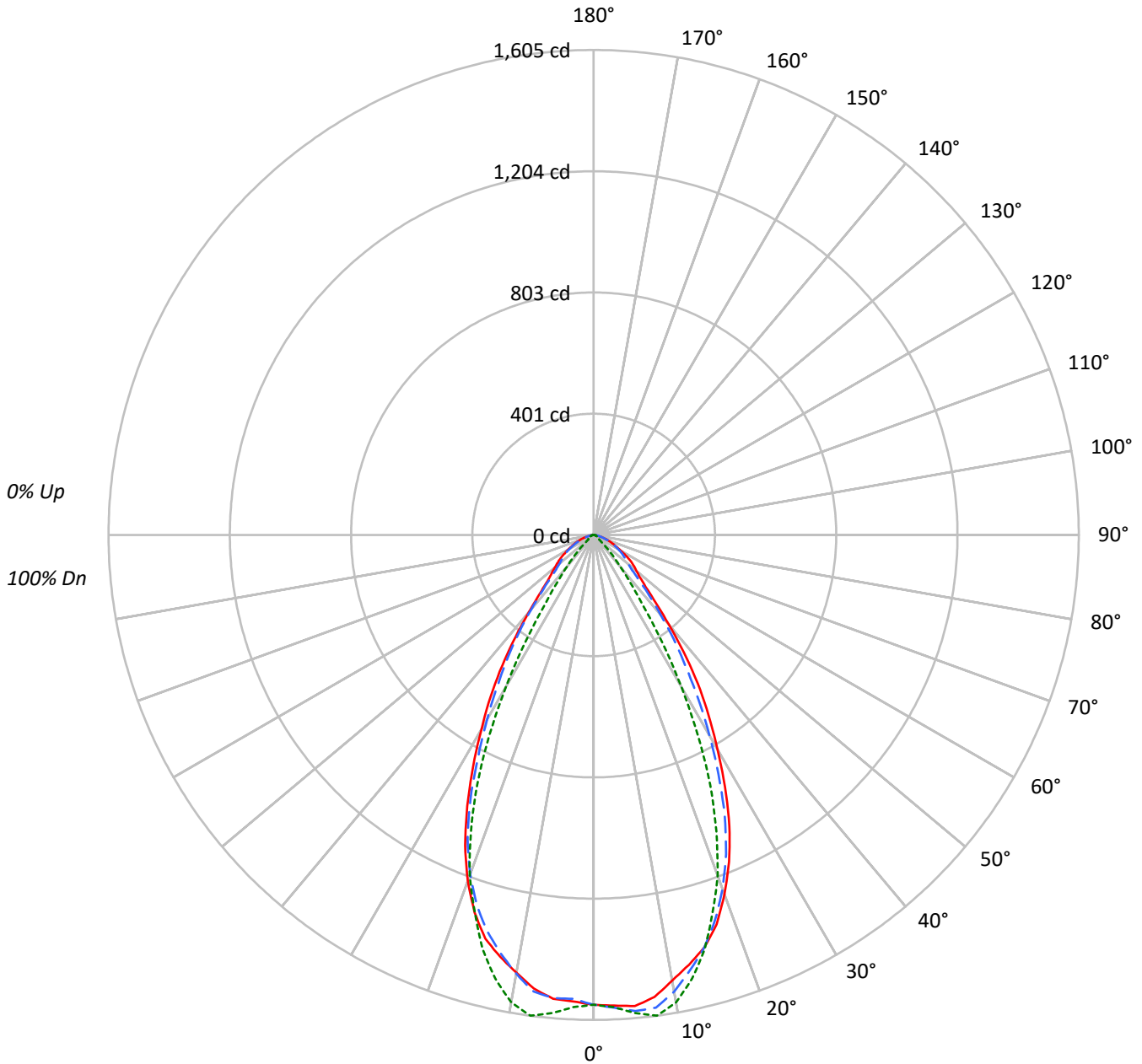
Lumens per Lamp: N/A
Luminaire Lumens: 1583.0 lumens
Efficiency: N/A
Efficacy: 50.3 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 31.5
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°	85240	85240	85240
5°	86132	87436	84784
10°	83343	87434	81890
15°	80216	80528	78508
20°	73827	69948	71056
25°	64250	55158	59846
30°	51818	36645	47014
35°	40174	18899	35302
40°	27566	9790	23773
45°	18886	4907	16676
50°	15718	2089	14302
55°	14136	1816	12779
60°	11183	1732	10668
65°	9236	1544	9132
70°	7485	1394	7485
75°	5528	1504	5867
80°	3252	1263	3504
85°	2516	1510	2516



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.0	9.3
10°-20°	388.5	24.5
20°-30°	443.4	28.0
30°-40°	294.1	18.6
40°-50°	141.8	9.0
50°-60°	87.3	5.5
60°-70°	52.8	3.3
70°-80°	22.2	1.4
80°-90°	4.9	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°	979.9	61.9
0°-40°	1274.0	80.5
0°-60°	1503.1	95.0
0°-90°	1583.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1583.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1555	1555	1555	1555	1555	
5°	1565	1582	1589	1538	1541	147
15°	1413	1413	1419	1359	1383	394
25°	1062	1027	912	965	989	482
35°	600	529	282	494	528	371
45°	244	214	63	199	215	199
55°	148	120	19	120	134	130
65°	71	68	12	64	70	71
75°	26	26	7	24	28	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°	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9
2.5°	1558.9	1561.3	1566.0	1566.8	1564.4	1549.4	1536.7	1541.5	1545.4
5°	1565.2	1570.0	1581.8	1592.9	1588.9	1563.6	1538.3	1537.5	1540.7
7.5°	1542.3	1553.3	1577.9	1605.5	1604.8	1561.3	1524.1	1514.6	1514.6
10°	1497.2	1507.5	1534.4	1571.5	1570.7	1516.2	1475.0	1470.3	1471.1
12.5°	1456.9	1461.6	1475.0	1504.3	1504.3	1450.5	1418.9	1423.6	1430.0
15°	1413.4	1416.5	1413.4	1422.8	1418.9	1374.6	1358.8	1373.8	1383.3
17.5°	1351.7	1353.2	1336.6	1324.0	1309.0	1281.3	1285.2	1307.4	1309.7
20°	1265.5	1275.7	1245.7	1213.3	1199.0	1172.9	1195.1	1219.6	1218.0
22.5°	1170.5	1182.4	1143.7	1089.9	1060.6	1050.3	1089.9	1112.0	1111.2
25°	1062.2	1070.9	1026.6	951.5	911.9	910.3	964.9	987.8	989.4
27.5°	940.4	943.6	893.7	795.7	746.6	758.5	827.3	858.9	862.9
30°	818.6	817.0	765.6	643.8	578.9	611.4	703.9	738.7	742.7
32.5°	707.1	702.3	643.8	498.3	420.8	469.0	590.8	627.2	633.5
35°	600.3	592.4	529.1	368.6	282.4	354.3	493.5	525.2	527.5
37.5°	488.8	484.8	435.0	276.0	196.9	268.9	402.6	425.5	423.1
40°	385.2	385.2	344.0	204.8	136.8	200.1	318.7	339.3	332.2
42.5°	302.1	306.1	271.3	151.1	97.3	148.7	252.3	271.3	263.4
45°	243.6	243.6	213.5	112.3	63.3	110.7	199.3	216.7	215.1
47.5°	206.4	203.3	173.2	82.3	34.8	83.0	167.7	189.0	188.2
50°	184.3	179.5	148.7	64.9	24.5	68.8	147.1	166.9	167.7
52.5°	166.9	159.8	133.7	57.7	21.4	60.1	133.7	149.5	149.5
55°	147.9	143.9	120.2	51.4	19.0	53.8	120.2	134.5	133.7
57.5°	125.0	124.2	107.6	46.7	17.4	47.5	107.6	116.3	113.1
60°	102.0	105.2	93.3	41.9	15.8	42.7	91.7	98.9	97.3
62.5°	85.4	89.4	81.5	37.2	13.4	38.0	77.5	84.6	83.0
65°	71.2	74.3	68.0	31.6	11.9	31.6	64.1	70.4	70.4
67.5°	58.5	60.9	56.2	26.1	10.3	26.1	52.2	57.7	58.5
70°	46.7	48.2	44.3	20.6	8.7	21.4	41.1	46.7	46.7
72.5°	36.4	37.2	34.8	16.6	7.9	16.6	31.6	36.4	36.4
75°	26.1	27.7	26.1	12.7	7.1	12.7	24.5	26.9	27.7
77.5°	15.0	19.0	19.0	10.3	5.5	9.5	17.4	18.2	18.2
80°	10.3	11.9	13.4	7.1	4.0	7.1	11.1	11.9	11.1
82.5°	7.1	7.9	7.9	4.7	3.2	4.7	7.1	7.9	7.1
85°	4.0	5.5	5.5	4.0	2.4	3.2	4.0	4.7	4.0
87.5°	2.4	3.2	4.0	3.2	2.4	2.4	2.4	2.4	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)