

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: P799472

Luminaire Tested: **LD6C25D010 EU6259027 6LBMDDWGPB**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799472
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 EU6259027 6LBMDDWGPH
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDDW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

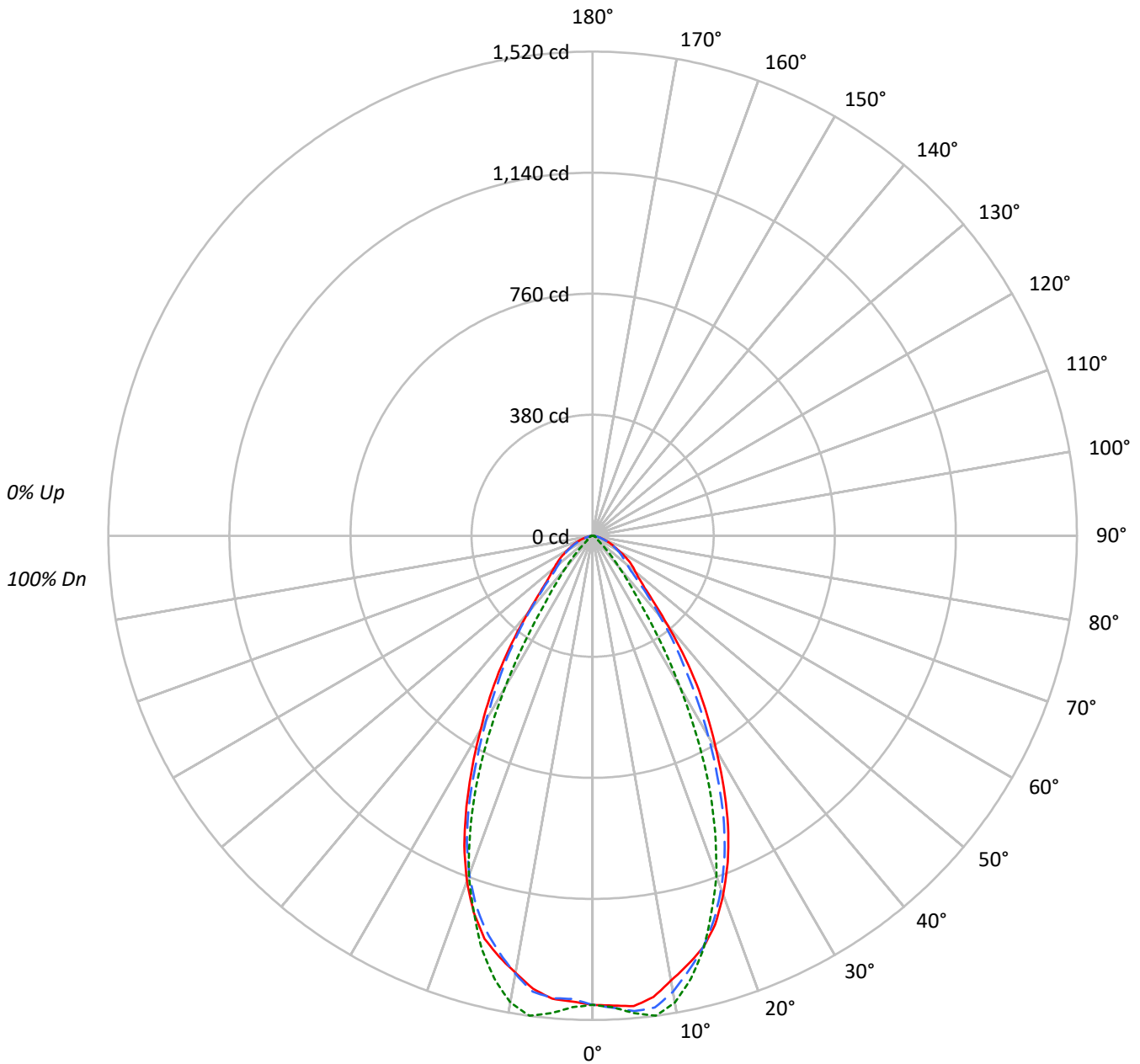
Lumens per Lamp: N/A
Luminaire Lumens: 1499.0 lumens
Efficiency: N/A
Efficacy: 47.6 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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				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	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91				91
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83				83
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76				76
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70				70
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64				64
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59				59
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55				55
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51				51
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48				48
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45				45

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	80717	80717	80717
5°	81559	82797	80283
10°	78917	82797	77543
15°	75960	76255	74342
20°	69907	66237	67288
25°	60838	52231	56671
30°	49071	34702	44520
35°	38039	17895	33428
40°	26099	9275	22514
45°	17886	4644	15792
50°	14882	1979	13543
55°	13390	1720	12100
60°	10591	1645	10098
65°	8743	1453	8652
70°	7085	1314	7085
75°	5232	1419	5549
80°	3062	1168	3315
85°	2327	1384	2327



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.2	9.4
10°-20°	367.9	24.5
20°-30°	419.9	28.0
30°-40°	278.5	18.6
40°-50°	134.3	9.0
50°-60°	82.6	5.5
60°-70°	50.0	3.3
70°-80°	21.0	1.4
80°-90°	4.6	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°	927.9	61.9
0°-40°	1206.4	80.5
0°-60°	1423.3	95.0
0°-90°	1499.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1499.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1472	1472	1472	1472	1472	
5°	1482	1498	1505	1457	1459	139
15°	1338	1338	1344	1287	1310	373
25°	1006	972	864	914	937	456
35°	568	501	267	467	500	352
45°	231	202	60	189	204	188
55°	140	114	18	114	127	123
65°	67	64	11	61	67	68
75°	25	25	7	23	26	26
85°	4	5	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°	1472.4	1472.4	1472.4	1472.4	1472.4	1472.4	1472.4	1472.4	1472.4
2.5°	1476.2	1478.4	1482.9	1483.6	1481.4	1467.2	1455.2	1459.7	1463.4
5°	1482.1	1486.6	1497.9	1508.4	1504.6	1480.7	1456.7	1455.9	1458.9
7.5°	1460.4	1470.9	1494.1	1520.3	1519.6	1478.4	1443.2	1434.2	1434.2
10°	1417.7	1427.5	1452.9	1488.1	1487.4	1435.7	1396.8	1392.3	1393.0
12.5°	1379.5	1384.0	1396.8	1424.5	1424.5	1373.6	1343.6	1348.1	1354.1
15°	1338.4	1341.3	1338.4	1347.3	1343.6	1301.7	1286.7	1300.9	1309.9
17.5°	1279.9	1281.4	1265.7	1253.7	1239.5	1213.3	1217.0	1238.0	1240.2
20°	1198.3	1208.0	1179.6	1148.9	1135.4	1110.7	1131.6	1154.9	1153.4
22.5°	1108.4	1119.7	1083.0	1032.0	1004.3	994.6	1032.0	1053.0	1052.3
25°	1005.8	1014.1	972.1	901.0	863.5	862.0	913.7	935.4	936.9
27.5°	890.5	893.5	846.3	753.4	707.0	718.2	783.4	813.3	817.1
30°	775.2	773.7	725.0	609.6	548.2	578.9	666.6	699.5	703.3
32.5°	669.6	665.1	609.6	471.8	398.4	444.1	559.5	593.9	599.9
35°	568.4	561.0	501.0	349.0	267.4	335.5	467.3	497.3	499.5
37.5°	462.8	459.1	411.9	261.4	186.5	254.6	381.2	402.9	400.7
40°	364.7	364.7	325.8	194.0	129.6	189.5	301.8	321.3	314.6
42.5°	286.1	289.8	256.9	143.0	92.1	140.8	238.9	256.9	249.4
45°	230.7	230.7	202.2	106.3	59.9	104.9	188.7	205.2	203.7
47.5°	195.5	192.5	164.0	77.9	33.0	78.6	158.8	179.0	178.2
50°	174.5	170.0	140.8	61.4	23.2	65.2	139.3	158.0	158.8
52.5°	158.0	151.3	126.6	54.7	20.2	56.9	126.6	141.5	141.5
55°	140.1	136.3	113.8	48.7	18.0	50.9	113.8	127.3	126.6
57.5°	118.3	117.6	101.9	44.2	16.5	44.9	101.9	110.1	107.1
60°	96.6	99.6	88.4	39.7	15.0	40.4	86.9	93.6	92.1
62.5°	80.9	84.6	77.1	35.2	12.7	35.9	73.4	80.1	78.6
65°	67.4	70.4	64.4	30.0	11.2	30.0	60.7	66.7	66.7
67.5°	55.4	57.7	53.2	24.7	9.7	24.7	49.4	54.7	55.4
70°	44.2	45.7	41.9	19.5	8.2	20.2	38.9	44.2	44.2
72.5°	34.5	35.2	33.0	15.7	7.5	15.7	30.0	34.5	34.5
75°	24.7	26.2	24.7	12.0	6.7	12.0	23.2	25.5	26.2
77.5°	14.2	18.0	18.0	9.7	5.2	9.0	16.5	17.2	17.2
80°	9.7	11.2	12.7	6.7	3.7	6.7	10.5	11.2	10.5
82.5°	6.7	7.5	7.5	4.5	3.0	4.5	6.7	7.5	6.7
85°	3.7	5.2	5.2	3.7	2.2	3.0	3.7	4.5	3.7
87.5°	2.2	3.0	3.7	3.0	2.2	2.2	2.2	2.2	1.5
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)