

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: P799520

Luminaire Tested: **LD6C25D010 EU6259050 6LBMDDWGPB**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799520
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 EU6259050 6LBMDDWGPH
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

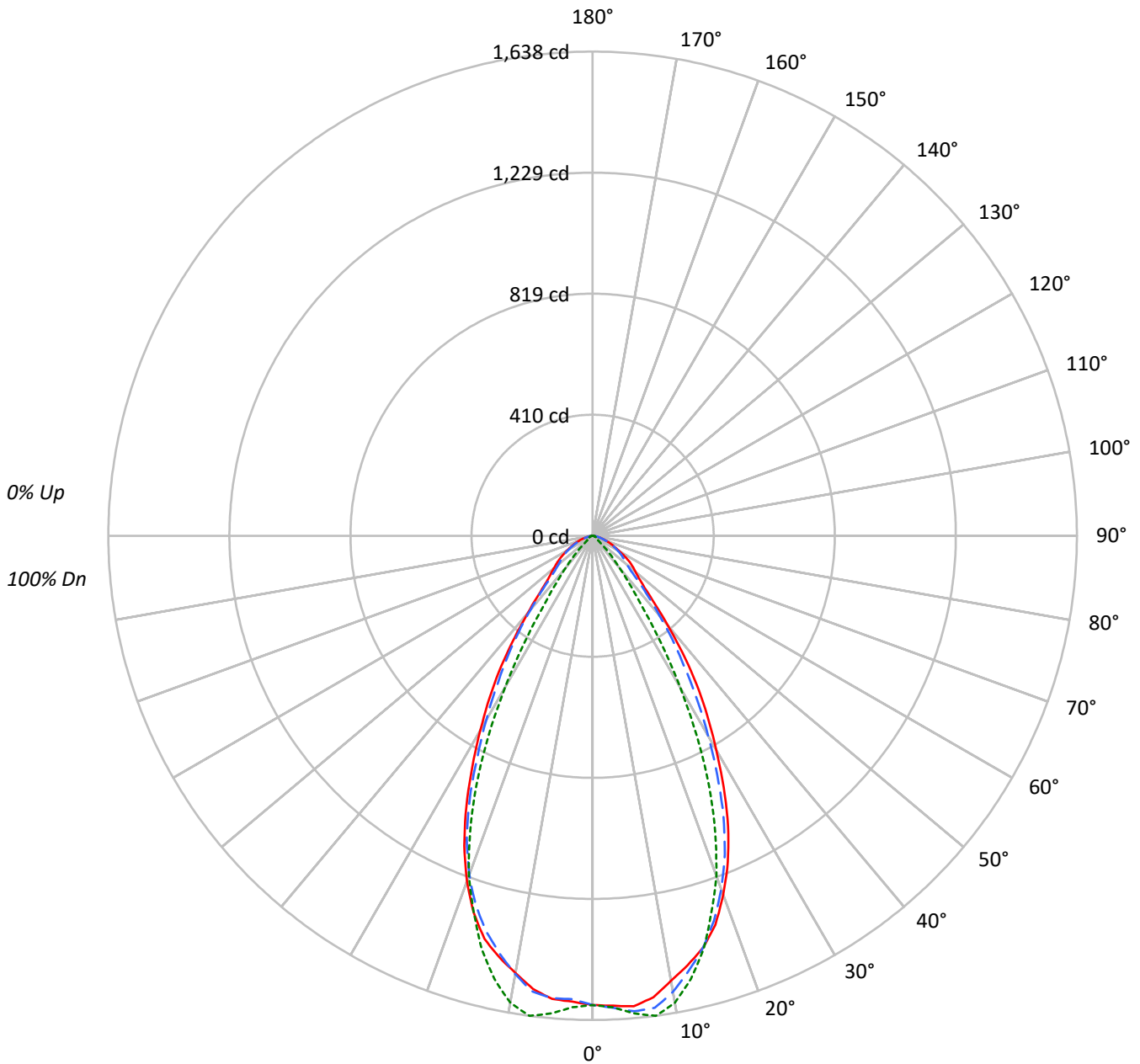
Lumens per Lamp: N/A
Luminaire Lumens: 1616.0 lumens
Efficiency: N/A
Efficacy: 51.3 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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				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			
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°	87016	87016	87016
5°	87926	89263	86551
10°	85080	89260	83599
15°	81885	82208	80142
20°	75362	71406	72538
25°	65586	56308	61098
30°	52901	37411	47988
35°	41010	19287	36038
40°	28138	9997	24267
45°	19281	5008	17025
50°	16042	2132	14601
55°	14432	1854	13037
60°	11425	1765	10887
65°	9430	1570	9327
70°	7629	1427	7629
75°	5634	1546	5994
80°	3315	1263	3567
85°	2516	1510	2516



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.1	9.4
10°-20°	396.6	24.5
20°-30°	452.7	28.0
30°-40°	300.2	18.6
40°-50°	144.8	9.0
50°-60°	89.1	5.5
60°-70°	53.9	3.3
70°-80°	22.7	1.4
80°-90°	5.0	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°	1000.4	61.9
0°-40°	1300.6	80.5
0°-60°	1534.4	95.0
0°-90°	1616.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1616.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1587	1587	1587	1587	1587	
5°	1598	1615	1622	1570	1573	150
15°	1443	1443	1448	1387	1412	402
25°	1084	1048	931	985	1010	492
35°	613	540	288	504	538	379
45°	249	218	65	204	220	203
55°	151	123	19	123	136	133
65°	73	69	12	65	72	73
75°	27	27	7	25	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°	1587.3	1587.3	1587.3	1587.3	1587.3	1587.3	1587.3	1587.3	1587.3
2.5°	1591.4	1593.8	1598.6	1599.4	1597.0	1581.7	1568.8	1573.6	1577.6
5°	1597.8	1602.7	1614.8	1626.1	1622.1	1596.2	1570.4	1569.6	1572.8
7.5°	1574.4	1585.7	1610.8	1639.0	1638.2	1593.8	1555.9	1546.2	1546.2
10°	1528.4	1538.9	1566.3	1604.3	1603.5	1547.8	1505.8	1500.9	1501.8
12.5°	1487.2	1492.1	1505.8	1535.7	1535.7	1480.8	1448.5	1453.3	1459.8
15°	1442.8	1446.0	1442.8	1452.5	1448.5	1403.3	1387.1	1402.4	1412.1
17.5°	1379.8	1381.5	1364.5	1351.6	1336.2	1308.0	1312.0	1334.6	1337.0
20°	1291.8	1302.3	1271.6	1238.5	1224.0	1197.4	1220.0	1245.0	1243.4
22.5°	1194.9	1207.1	1167.5	1112.6	1082.7	1072.2	1112.6	1135.2	1134.4
25°	1084.3	1093.2	1048.0	971.3	930.9	929.3	985.0	1008.4	1010.1
27.5°	960.0	963.2	912.4	812.2	762.2	774.3	844.5	876.8	880.9
30°	835.7	834.0	781.6	657.2	591.0	624.1	718.6	754.1	758.1
32.5°	721.8	717.0	657.2	508.7	429.5	478.8	603.1	640.3	646.7
35°	612.8	604.7	540.1	376.2	288.2	361.7	503.8	536.1	538.5
37.5°	499.0	494.9	444.1	281.8	201.0	274.5	411.0	434.4	432.0
40°	393.2	393.2	351.2	209.1	139.7	204.3	325.4	346.4	339.1
42.5°	308.4	312.5	276.9	154.2	99.3	151.8	257.6	276.9	268.9
45°	248.7	248.7	218.0	114.7	64.6	113.0	203.5	221.2	219.6
47.5°	210.7	207.5	176.8	84.0	35.5	84.8	171.2	193.0	192.2
50°	188.1	183.3	151.8	66.2	25.0	70.2	150.2	170.4	171.2
52.5°	170.4	163.1	136.4	58.9	21.8	61.4	136.4	152.6	152.6
55°	151.0	146.9	122.7	52.5	19.4	54.9	122.7	137.3	136.4
57.5°	127.6	126.8	109.8	47.6	17.8	48.4	109.8	118.7	115.5
60°	104.2	107.4	95.3	42.8	16.1	43.6	93.7	100.9	99.3
62.5°	87.2	91.2	83.2	37.9	13.7	38.8	79.1	86.4	84.8
65°	72.7	75.9	69.4	32.3	12.1	32.3	65.4	71.9	71.9
67.5°	59.7	62.2	57.3	26.6	10.5	26.6	53.3	58.9	59.7
70°	47.6	49.3	45.2	21.0	8.9	21.8	42.0	47.6	47.6
72.5°	37.1	37.9	35.5	17.0	8.1	17.0	32.3	37.1	37.1
75°	26.6	28.3	26.6	12.9	7.3	12.9	25.0	27.5	28.3
77.5°	15.3	19.4	19.4	10.5	5.7	9.7	17.8	18.6	18.6
80°	10.5	12.1	13.7	7.3	4.0	7.3	11.3	12.1	11.3
82.5°	7.3	8.1	8.1	4.8	3.2	4.8	7.3	8.1	7.3
85°	4.0	5.7	5.7	4.0	2.4	3.2	4.0	4.8	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)