

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: P799490

Luminaire Tested: **LD6C25D010 EU6259030 6LBMDSWGPH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799490
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: LD6C25D010 EU6259030 6LBMDSWGPH
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

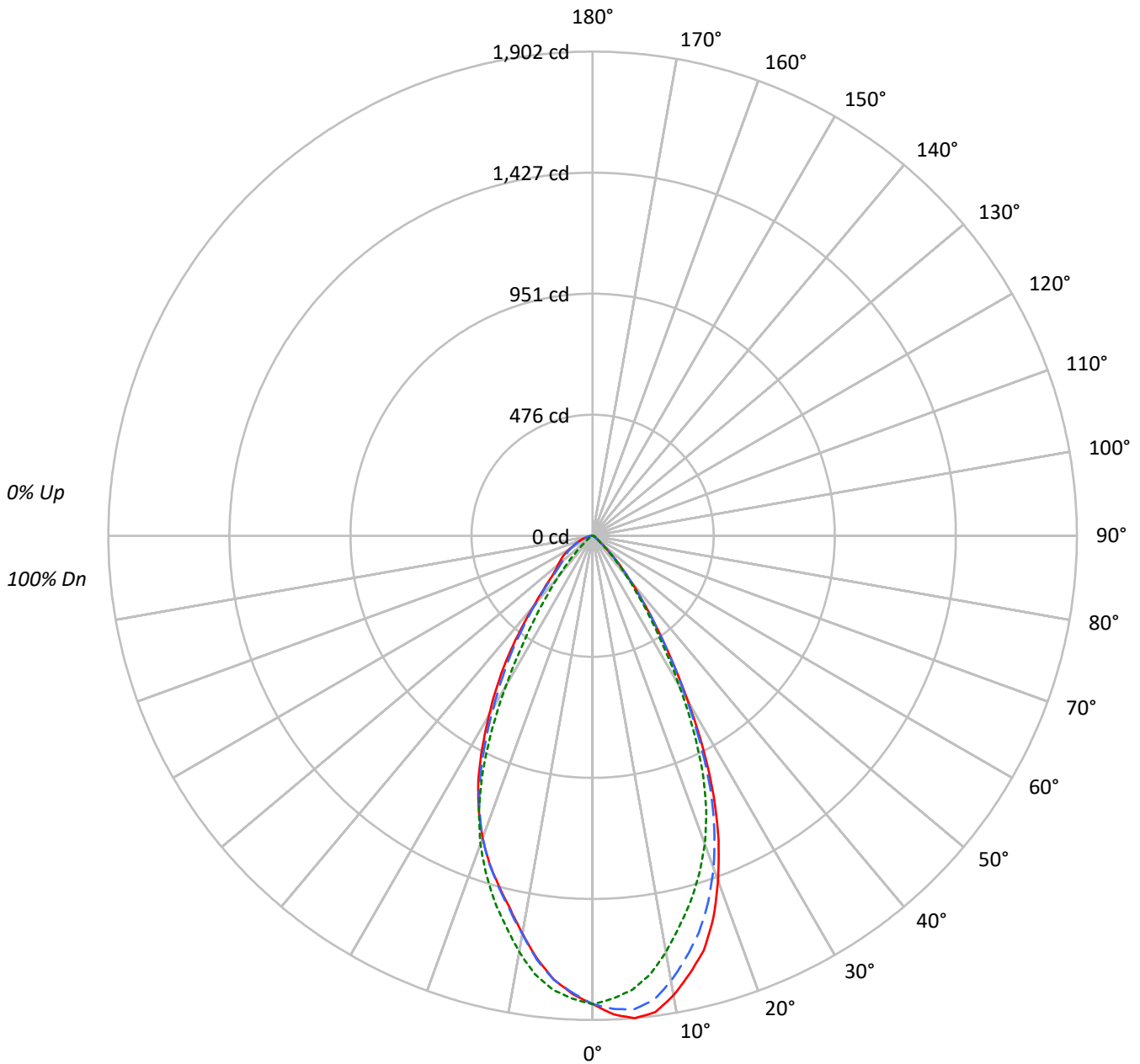
Lumens per Lamp: N/A
Luminaire Lumens: 1584.0 lumens
Efficiency: N/A
Efficacy: 50.3 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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			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°	100858	100858	100858
5°	104694	98492	96263
10°	102019	92383	88319
15°	95676	84416	80767
20°	83996	75152	73716
25°	67933	61739	64286
30°	47229	43007	51445
35°	29105	26348	38829
40°	16474	14771	25784
45°	8001	7629	17599
50°	3045	3045	14959
55°	1673	1969	13811
60°	1217	1568	11315
65°	1025	1336	9262
70°	898	1138	7629
75°	847	1186	6566
80°	505	1010	4767
85°	503	2013	4466



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.4	10.6
10°-20°	423.3	26.7
20°-30°	476.5	30.1
30°-40°	295.1	18.6
40°-50°	117.5	7.4
50°-60°	53.5	3.4
60°-70°	30.7	1.9
70°-80°	14.6	0.9
80°-90°	4.3	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°	1068.3	67.4
0°-40°	1363.4	86.1
0°-60°	1534.4	96.9
0°-90°	1584.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1584.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1840	1840	1840	1840	1840	
5°	1902	1868	1790	1751	1749	179
15°	1686	1613	1487	1427	1423	466
25°	1123	1093	1021	1046	1063	505
35°	435	433	394	548	580	280
45°	103	103	98	214	227	87
55°	18	17	21	127	144	17
65°	8	7	10	71	71	8
75°	4	4	6	30	31	4
85°	1	1	3	7	7	1
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°	1839.8	1839.8	1839.8	1839.8	1839.8	1839.8	1839.8	1839.8	1839.8
2.5°	1881.9	1864.4	1860.4	1845.4	1820.0	1805.7	1796.9	1790.6	1801.7
5°	1902.5	1883.4	1867.6	1836.6	1789.8	1763.6	1750.9	1740.6	1749.3
7.5°	1887.4	1860.4	1839.0	1796.1	1736.6	1696.1	1678.7	1666.8	1674.7
10°	1832.7	1800.1	1775.5	1724.7	1659.6	1611.2	1589.8	1578.7	1586.6
12.5°	1761.2	1734.2	1696.9	1641.4	1571.5	1520.7	1504.9	1496.1	1499.3
15°	1685.8	1654.1	1612.8	1557.2	1487.4	1436.6	1427.1	1421.5	1423.1
17.5°	1576.3	1545.3	1509.6	1455.6	1391.4	1350.1	1350.1	1346.1	1348.5
20°	1439.8	1423.1	1388.2	1342.9	1288.2	1250.9	1262.8	1258.8	1263.6
22.5°	1292.1	1279.4	1249.3	1212.0	1165.9	1136.6	1162.8	1162.0	1168.3
25°	1123.1	1113.6	1092.9	1061.2	1020.7	1002.4	1046.1	1046.1	1062.8
27.5°	936.6	927.0	912.8	885.8	852.4	846.9	911.2	919.1	937.4
30°	746.1	739.7	731.8	707.2	679.4	689.7	778.6	792.1	812.7
32.5°	576.2	572.3	569.9	547.7	523.0	557.2	658.8	676.2	696.9
35°	434.9	426.2	432.6	415.9	393.7	436.5	548.4	563.5	580.2
37.5°	320.7	314.3	319.9	308.0	288.1	334.9	440.5	450.0	461.1
40°	230.2	224.6	229.4	222.2	206.4	250.0	345.3	355.6	360.3
42.5°	163.5	154.0	158.7	153.2	145.2	188.1	271.4	281.0	282.6
45°	103.2	100.0	103.2	100.0	98.4	139.7	214.3	223.0	227.0
47.5°	62.7	58.7	58.7	57.1	58.7	103.2	177.0	189.7	196.0
50°	35.7	34.1	33.3	32.5	35.7	81.0	153.2	167.5	175.4
52.5°	23.8	23.0	23.0	22.2	26.2	68.3	138.1	150.8	158.7
55°	17.5	16.7	16.7	16.7	20.6	58.7	127.0	137.3	144.5
57.5°	13.5	13.5	13.5	12.7	17.5	50.0	113.5	119.1	124.6
60°	11.1	10.3	10.3	10.3	14.3	42.9	97.6	100.0	103.2
62.5°	8.7	8.7	8.7	8.7	11.9	38.1	84.1	84.1	85.7
65°	7.9	7.1	7.1	7.1	10.3	33.3	70.6	69.8	71.4
67.5°	6.3	6.3	6.3	6.3	8.7	28.6	57.9	57.1	58.7
70°	5.6	5.6	5.6	5.6	7.1	23.8	46.8	46.0	47.6
72.5°	4.8	4.8	4.8	4.8	6.3	19.8	37.3	37.3	38.1
75°	4.0	4.0	4.0	4.0	5.6	15.1	30.2	30.2	31.0
77.5°	3.2	3.2	3.2	3.2	4.0	11.9	23.0	22.2	22.2
80°	1.6	2.4	2.4	2.4	3.2	8.7	16.7	15.1	15.1
82.5°	0.8	1.6	1.6	1.6	3.2	6.3	11.1	10.3	10.3
85°	0.8	0.8	0.8	2.4	3.2	4.8	7.1	7.1	7.1
87.5°	0.0	0.8	1.6	3.2	4.0	4.0	4.8	4.0	4.0
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)