

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: P799530

Luminaire Tested: **LD6C25D010 EU6259050 6LBMDSWWH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799530
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 EU6259050 6LBMDSWWH
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

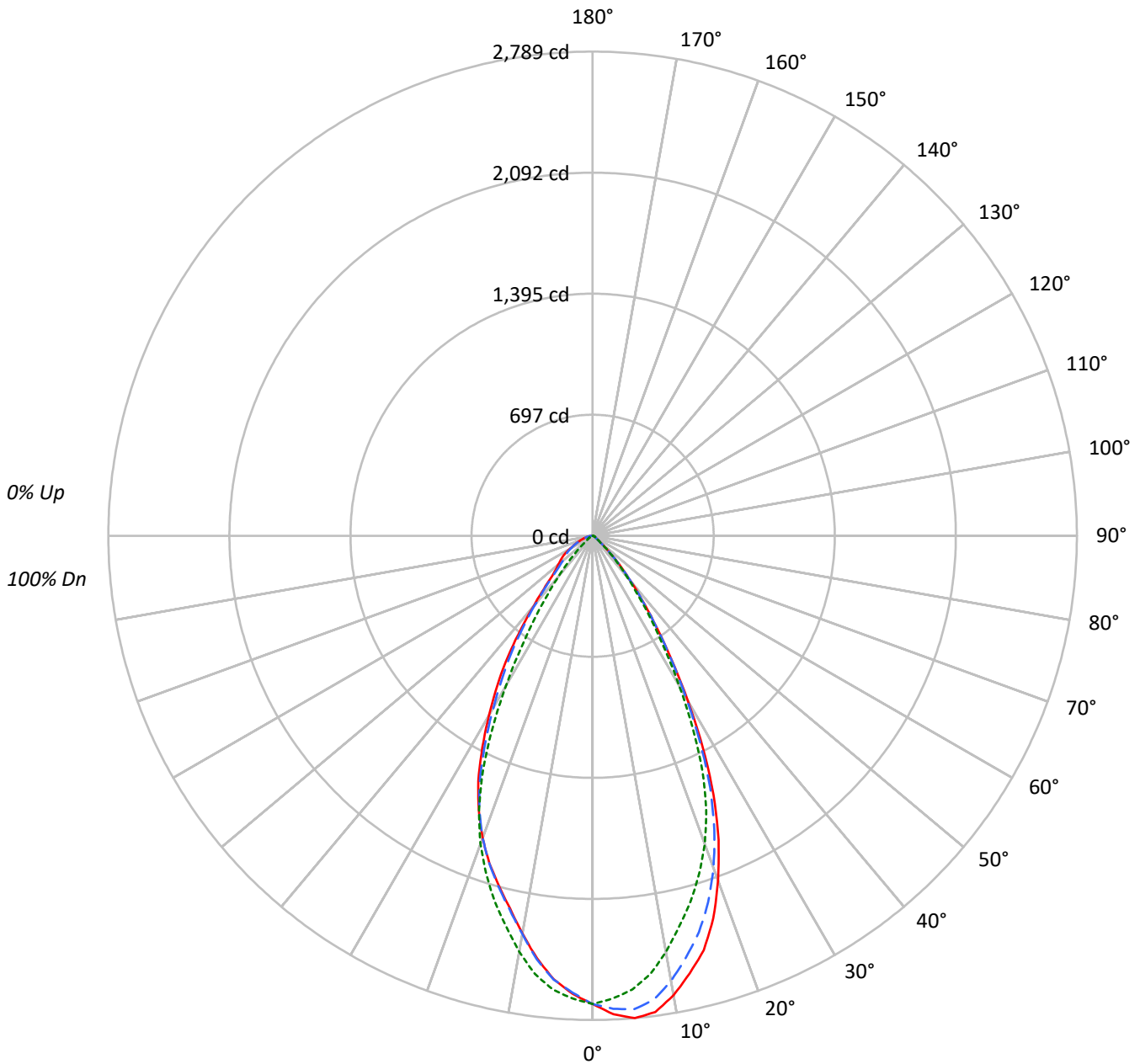
Lumens per Lamp: N/A
Luminaire Lumens: 2322.0 lumens
Efficiency: N/A
Efficacy: 73.7 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	100	100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92	92	92	92
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85	85	85	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78	78	78	78
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73	73	73	73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67	67	67	67
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63	63	63	63
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59	59	59	59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55	55	55	55
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52	52	52	52
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49	49	49	49

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	147850	147850	147850
5°	153472	144381	141112
10°	149546	135429	129468
15°	140256	123746	118395
20°	123129	110160	108060
25°	99580	90507	94233
30°	69232	63041	75417
35°	42670	38621	56918
40°	24145	21648	37799
45°	11730	11187	25801
50°	4469	4469	21927
55°	2447	2896	20243
60°	1787	2291	16589
65°	1505	1959	13581
70°	1298	1683	11188
75°	1228	1716	9616
80°	726	1484	6977
85°	755	2956	6604



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.9	10.6
10°-20°	620.5	26.7
20°-30°	698.6	30.1
30°-40°	432.6	18.6
40°-50°	172.3	7.4
50°-60°	78.4	3.4
60°-70°	45.1	1.9
70°-80°	21.4	0.9
80°-90°	6.3	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°	1566.0	67.4
0°-40°	1998.6	86.1
0°-60°	2249.3	96.9
0°-90°	2322.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2322.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2697	2697	2697	2697	2697	
5°	2789	2738	2624	2567	2564	263
15°	2471	2364	2180	2092	2086	684
25°	1646	1602	1496	1534	1558	740
35°	638	634	577	804	850	410
45°	151	151	144	314	333	128
55°	26	24	30	186	212	25
65°	12	10	15	104	105	11
75°	6	6	8	44	45	6
85°	1	1	5	10	10	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°	2697.0	2697.0	2697.0	2697.0	2697.0	2697.0	2697.0	2697.0	2697.0
2.5°	2758.6	2733.0	2727.2	2705.1	2667.9	2646.9	2634.1	2624.8	2641.1
5°	2788.9	2761.0	2737.7	2692.3	2623.7	2585.3	2566.7	2551.5	2564.3
7.5°	2766.8	2727.2	2695.8	2633.0	2545.7	2486.4	2460.8	2443.3	2455.0
10°	2686.5	2638.8	2602.7	2528.3	2432.9	2361.9	2330.5	2314.2	2325.8
12.5°	2581.8	2542.2	2487.5	2406.1	2303.7	2229.2	2206.0	2193.2	2197.8
15°	2471.3	2424.7	2364.2	2282.8	2180.4	2105.9	2092.0	2083.8	2086.1
17.5°	2310.7	2265.3	2213.0	2133.8	2039.6	1979.1	1979.1	1973.3	1976.8
20°	2110.6	2086.1	2034.9	1968.6	1888.3	1833.7	1851.1	1845.3	1852.3
22.5°	1894.2	1875.5	1831.3	1776.7	1709.2	1666.1	1704.5	1703.4	1712.7
25°	1646.3	1632.4	1602.1	1555.6	1496.3	1469.5	1533.5	1533.5	1557.9
27.5°	1372.9	1359.0	1338.0	1298.5	1249.6	1241.4	1335.7	1347.3	1374.1
30°	1093.7	1084.4	1072.7	1036.7	995.9	1011.1	1141.4	1161.2	1191.4
32.5°	844.7	838.9	835.4	802.8	766.7	816.8	965.7	991.3	1021.5
35°	637.6	624.8	634.1	609.7	577.1	639.9	804.0	826.1	850.5
37.5°	470.1	460.7	468.9	451.4	422.3	491.0	645.7	659.7	676.0
40°	337.4	329.3	336.2	325.8	302.5	366.5	506.1	521.2	528.2
42.5°	239.7	225.7	232.7	224.6	212.9	275.7	397.9	411.9	414.2
45°	151.3	146.6	151.3	146.6	144.3	204.8	314.1	326.9	332.8
47.5°	91.9	86.1	86.1	83.8	86.1	151.3	259.5	278.1	287.4
50°	52.4	50.0	48.9	47.7	52.4	118.7	224.6	245.5	257.1
52.5°	34.9	33.7	33.7	32.6	38.4	100.1	202.4	221.1	232.7
55°	25.6	24.4	24.4	24.4	30.3	86.1	186.2	201.3	211.8
57.5°	19.8	19.8	19.8	18.6	25.6	73.3	166.4	174.5	182.7
60°	16.3	15.1	15.1	15.1	20.9	62.8	143.1	146.6	151.3
62.5°	12.8	12.8	12.8	12.8	17.5	55.8	123.3	123.3	125.7
65°	11.6	10.5	10.5	10.5	15.1	48.9	103.6	102.4	104.7
67.5°	9.3	9.3	9.3	9.3	12.8	41.9	84.9	83.8	86.1
70°	8.1	8.1	8.1	8.1	10.5	34.9	68.6	67.5	69.8
72.5°	7.0	7.0	7.0	7.0	9.3	29.1	54.7	54.7	55.8
75°	5.8	5.8	5.8	5.8	8.1	22.1	44.2	44.2	45.4
77.5°	4.7	4.7	4.7	4.7	5.8	17.5	33.7	32.6	32.6
80°	2.3	3.5	3.5	3.5	4.7	12.8	24.4	22.1	22.1
82.5°	1.2	2.3	2.3	2.3	4.7	9.3	16.3	15.1	15.1
85°	1.2	1.2	1.2	3.5	4.7	7.0	10.5	10.5	10.5
87.5°	0.0	1.2	2.3	4.7	5.8	5.8	7.0	5.8	5.8
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)