

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: P799507

Luminaire Tested: **LD6C25D010 EU6259035 6LBMDSWWMH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799507
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 EU6259035 6LBMDSWWMH
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

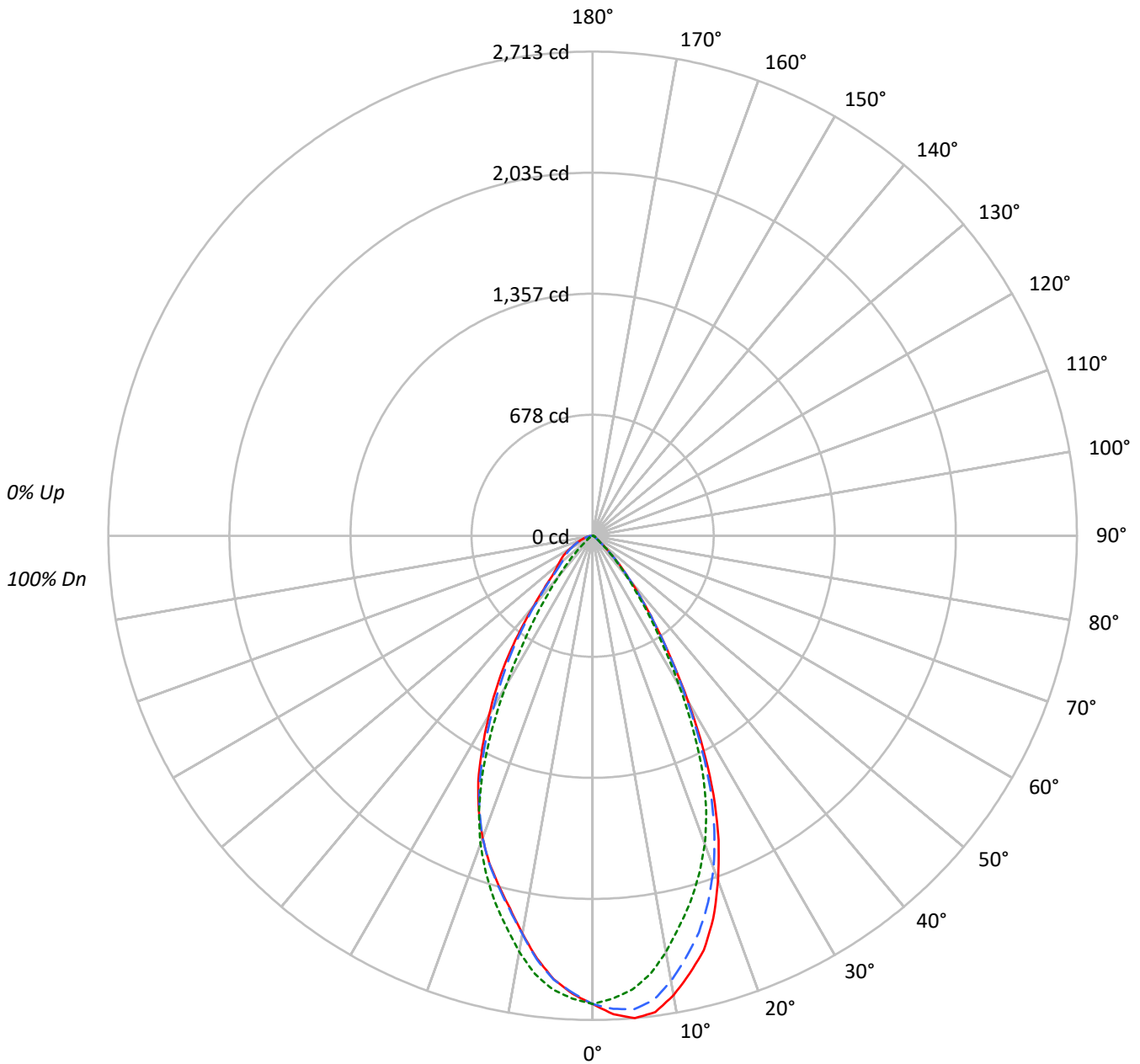
Lumens per Lamp: N/A
Luminaire Lumens: 2259.0 lumens
Efficiency: N/A
Efficacy: 71.7 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	143837	143837	143837
5°	149306	140463	137288
10°	145488	131756	125955
15°	136448	120387	115182
20°	119786	107173	105126
25°	96883	88051	91675
30°	67352	61332	73372
35°	41512	37571	55372
40°	23494	21061	36776
45°	11412	10885	25096
50°	4341	4341	21338
55°	2380	2810	19689
60°	1732	2237	16139
65°	1466	1907	13218
70°	1266	1635	10883
75°	1207	1673	9341
80°	726	1421	6787
85°	692	2830	6416



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.2	10.6
10°-20°	603.7	26.7
20°-30°	679.6	30.1
30°-40°	420.8	18.6
40°-50°	167.6	7.4
50°-60°	76.3	3.4
60°-70°	43.9	1.9
70°-80°	20.8	0.9
80°-90°	6.1	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°	1523.5	67.4
0°-40°	1944.4	86.1
0°-60°	2188.2	96.9
0°-90°	2259.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2259.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2624	2624	2624	2624	2624	
5°	2713	2663	2552	2497	2495	256
15°	2404	2300	2121	2035	2030	665
25°	1602	1559	1456	1492	1516	720
35°	620	617	561	782	827	399
45°	147	147	140	306	324	125
55°	25	24	29	181	206	25
65°	11	10	15	101	102	11
75°	6	6	8	43	44	6
85°	1	1	4	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°	2623.8	2623.8	2623.8	2623.8	2623.8	2623.8	2623.8	2623.8	2623.8
2.5°	2683.8	2658.9	2653.2	2631.7	2595.5	2575.1	2562.7	2553.6	2569.5
5°	2713.2	2686.1	2663.4	2619.3	2552.5	2515.1	2497.0	2482.3	2494.8
7.5°	2691.7	2653.2	2622.7	2561.5	2476.6	2418.9	2394.0	2377.0	2388.4
10°	2613.6	2567.2	2532.1	2459.7	2366.9	2297.8	2267.2	2251.4	2262.7
12.5°	2511.7	2473.3	2420.1	2340.8	2241.2	2168.8	2146.1	2133.7	2138.2
15°	2404.2	2358.9	2300.1	2220.8	2121.2	2048.8	2035.2	2027.3	2029.5
17.5°	2248.0	2203.9	2152.9	2075.9	1984.3	1925.4	1925.4	1919.7	1923.1
20°	2053.3	2029.5	1979.7	1915.2	1837.1	1783.9	1800.9	1795.2	1802.0
22.5°	1842.8	1824.7	1781.6	1728.4	1662.8	1620.9	1658.3	1657.1	1666.2
25°	1601.7	1588.1	1558.7	1513.4	1455.7	1429.6	1491.9	1491.9	1515.6
27.5°	1335.7	1322.1	1301.7	1263.2	1215.7	1207.8	1299.4	1310.8	1336.8
30°	1064.0	1055.0	1043.6	1008.5	968.9	983.6	1110.4	1129.7	1159.1
32.5°	821.8	816.1	812.7	781.0	745.9	794.6	939.5	964.4	993.8
35°	620.3	607.8	616.9	593.1	561.4	622.6	782.2	803.7	827.4
37.5°	457.3	448.2	456.2	439.2	410.9	477.7	628.2	641.8	657.6
40°	328.3	320.3	327.1	316.9	294.3	356.6	492.4	507.1	513.9
42.5°	233.2	219.6	226.4	218.5	207.1	268.3	387.1	400.7	403.0
45°	147.2	142.6	147.2	142.6	140.4	199.2	305.6	318.1	323.7
47.5°	89.4	83.8	83.8	81.5	83.8	147.2	252.4	270.5	279.6
50°	50.9	48.7	47.5	46.4	50.9	115.5	218.5	238.8	250.2
52.5°	34.0	32.8	32.8	31.7	37.4	97.3	197.0	215.1	226.4
55°	24.9	23.8	23.8	23.8	29.4	83.8	181.1	195.8	206.0
57.5°	19.2	19.2	19.2	18.1	24.9	71.3	161.9	169.8	177.7
60°	15.8	14.7	14.7	14.7	20.4	61.1	139.2	142.6	147.2
62.5°	12.5	12.5	12.5	12.5	17.0	54.3	120.0	120.0	122.2
65°	11.3	10.2	10.2	10.2	14.7	47.5	100.7	99.6	101.9
67.5°	9.1	9.1	9.1	9.1	12.5	40.7	82.6	81.5	83.8
70°	7.9	7.9	7.9	7.9	10.2	34.0	66.8	65.7	67.9
72.5°	6.8	6.8	6.8	6.8	9.1	28.3	53.2	53.2	54.3
75°	5.7	5.7	5.7	5.7	7.9	21.5	43.0	43.0	44.1
77.5°	4.5	4.5	4.5	4.5	5.7	17.0	32.8	31.7	31.7
80°	2.3	3.4	3.4	3.4	4.5	12.5	23.8	21.5	21.5
82.5°	1.1	2.3	2.3	2.3	4.5	9.1	15.8	14.7	14.7
85°	1.1	1.1	1.1	3.4	4.5	6.8	10.2	10.2	10.2
87.5°	0.0	1.1	2.3	4.5	5.7	5.7	6.8	5.7	5.7
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)