

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: P799646

Luminaire Tested: **LD6C35D010 EU6359050 6LBMDSWGPH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799646
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: LD6C35D010 EU6359050 6LBMDSWGPH
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

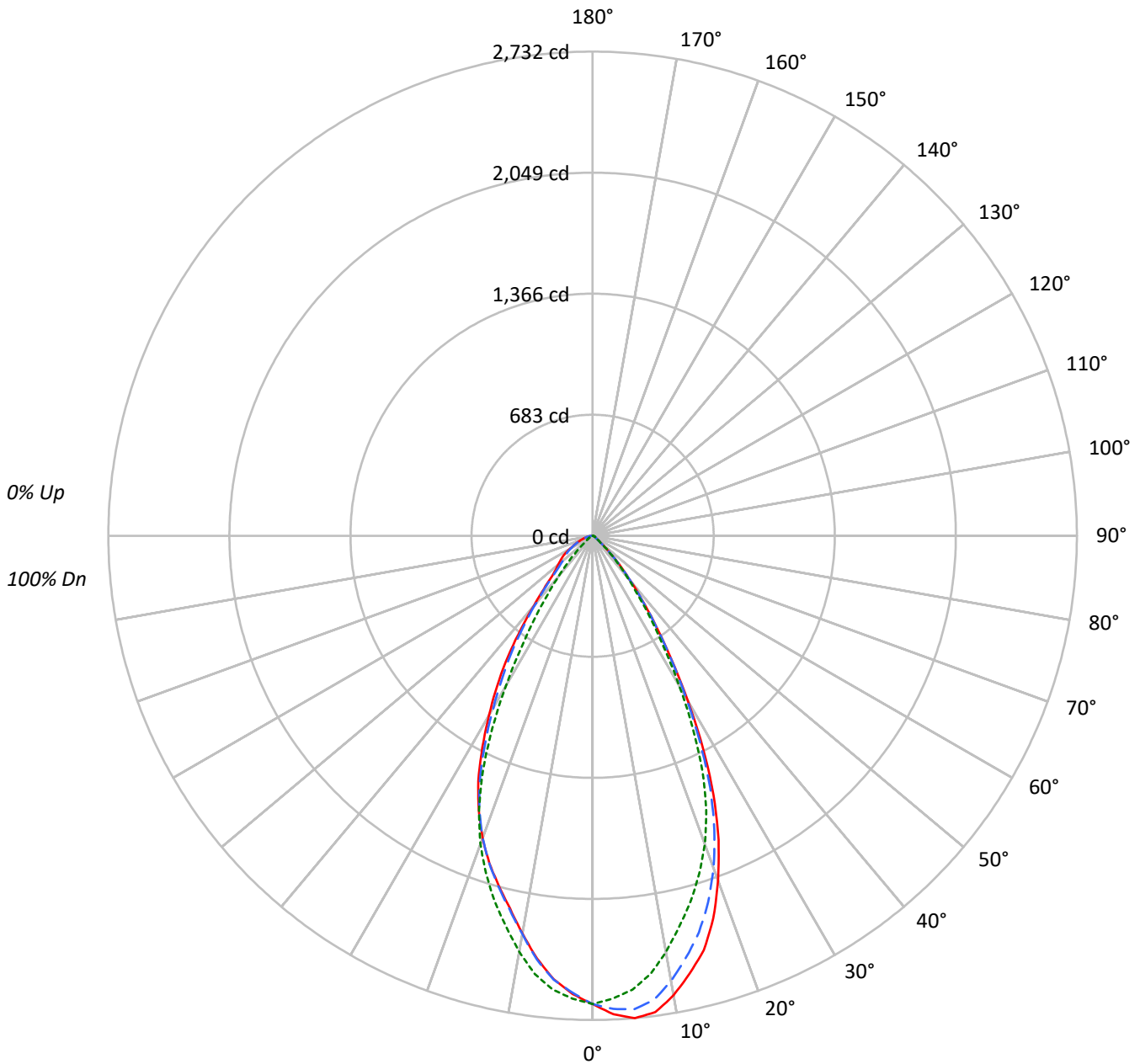
Lumens per Lamp: N/A
Luminaire Lumens: 2275.0 lumens
Efficiency: N/A
Efficacy: 56.3 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 40.4
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°	144857	144857	144857
5°	150363	141459	138256
10°	146518	132685	126846
15°	137413	121238	116000
20°	120638	107932	105873
25°	97566	88674	92328
30°	67827	61769	73891
35°	41807	37838	55767
40°	23659	21211	37034
45°	11490	10962	25274
50°	4375	4375	21483
55°	2399	2829	19832
60°	1754	2248	16249
65°	1479	1920	13309
70°	1282	1651	10963
75°	1207	1694	9425
80°	726	1452	6851
85°	692	2893	6479



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.9	10.6
10°-20°	608.0	26.7
20°-30°	684.4	30.1
30°-40°	423.8	18.6
40°-50°	168.8	7.4
50°-60°	76.8	3.4
60°-70°	44.2	1.9
70°-80°	21.0	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°	1534.3	67.4
0°-40°	1958.1	86.1
0°-60°	2203.7	96.9
0°-90°	2275.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2275.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2642	2642	2642	2642	2642	
5°	2732	2682	2571	2515	2512	257
15°	2421	2316	2136	2050	2044	670
25°	1613	1570	1466	1502	1526	725
35°	625	621	565	788	833	401
45°	148	148	141	308	326	126
55°	25	24	30	182	208	25
65°	11	10	15	102	103	11
75°	6	6	8	43	44	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°	2642.4	2642.4	2642.4	2642.4	2642.4	2642.4	2642.4	2642.4	2642.4
2.5°	2702.8	2677.7	2672.0	2650.4	2613.9	2593.4	2580.8	2571.7	2587.7
5°	2732.4	2705.1	2682.3	2637.8	2570.6	2532.9	2514.7	2499.9	2512.4
7.5°	2710.8	2672.0	2641.2	2579.7	2494.2	2436.1	2411.0	2393.9	2405.3
10°	2632.1	2585.4	2550.0	2477.1	2383.6	2314.1	2283.3	2267.3	2278.7
12.5°	2529.5	2490.8	2437.2	2357.4	2257.1	2184.1	2161.3	2148.8	2153.3
15°	2421.2	2375.6	2316.4	2236.6	2136.2	2063.3	2049.6	2041.6	2043.9
17.5°	2263.9	2219.5	2168.2	2090.7	1998.3	1939.0	1939.0	1933.3	1936.8
20°	2067.9	2043.9	1993.8	1928.8	1850.1	1796.5	1813.6	1807.9	1814.8
22.5°	1855.8	1837.6	1794.3	1740.7	1674.6	1632.4	1670.0	1668.9	1678.0
25°	1613.0	1599.3	1569.7	1524.1	1466.0	1439.7	1502.4	1502.4	1526.4
27.5°	1345.1	1331.5	1310.9	1272.2	1224.3	1216.3	1308.7	1320.1	1346.3
30°	1071.5	1062.4	1051.0	1015.7	975.8	990.6	1118.3	1137.7	1167.3
32.5°	827.6	821.9	818.5	786.6	751.2	800.2	946.2	971.2	1000.9
35°	624.7	612.1	621.3	597.3	565.4	627.0	787.7	809.4	833.3
37.5°	460.5	451.4	459.4	442.3	413.8	481.1	632.7	646.3	662.3
40°	330.6	322.6	329.4	319.2	296.4	359.1	495.9	510.7	517.5
42.5°	234.8	221.1	228.0	220.0	208.6	270.2	389.9	403.5	405.8
45°	148.2	143.6	148.2	143.6	141.4	200.6	307.8	320.3	326.0
47.5°	90.1	84.4	84.4	82.1	84.4	148.2	254.2	272.4	281.6
50°	51.3	49.0	47.9	46.7	51.3	116.3	220.0	240.5	251.9
52.5°	34.2	33.1	33.1	31.9	37.6	98.0	198.3	216.6	228.0
55°	25.1	23.9	23.9	23.9	29.6	84.4	182.4	197.2	207.5
57.5°	19.4	19.4	19.4	18.2	25.1	71.8	163.0	171.0	179.0
60°	16.0	14.8	14.8	14.8	20.5	61.6	140.2	143.6	148.2
62.5°	12.5	12.5	12.5	12.5	17.1	54.7	120.8	120.8	123.1
65°	11.4	10.3	10.3	10.3	14.8	47.9	101.5	100.3	102.6
67.5°	9.1	9.1	9.1	9.1	12.5	41.0	83.2	82.1	84.4
70°	8.0	8.0	8.0	8.0	10.3	34.2	67.3	66.1	68.4
72.5°	6.8	6.8	6.8	6.8	9.1	28.5	53.6	53.6	54.7
75°	5.7	5.7	5.7	5.7	8.0	21.7	43.3	43.3	44.5
77.5°	4.6	4.6	4.6	4.6	5.7	17.1	33.1	31.9	31.9
80°	2.3	3.4	3.4	3.4	4.6	12.5	23.9	21.7	21.7
82.5°	1.1	2.3	2.3	2.3	4.6	9.1	16.0	14.8	14.8
85°	1.1	1.1	1.1	3.4	4.6	6.8	10.3	10.3	10.3
87.5°	0.0	1.1	2.3	4.6	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)