

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: P799634

Luminaire Tested: **LD6C35D010 EU6359040 6LBMDSWGPH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799634
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 EU6359040 6LBMDSWGPH
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

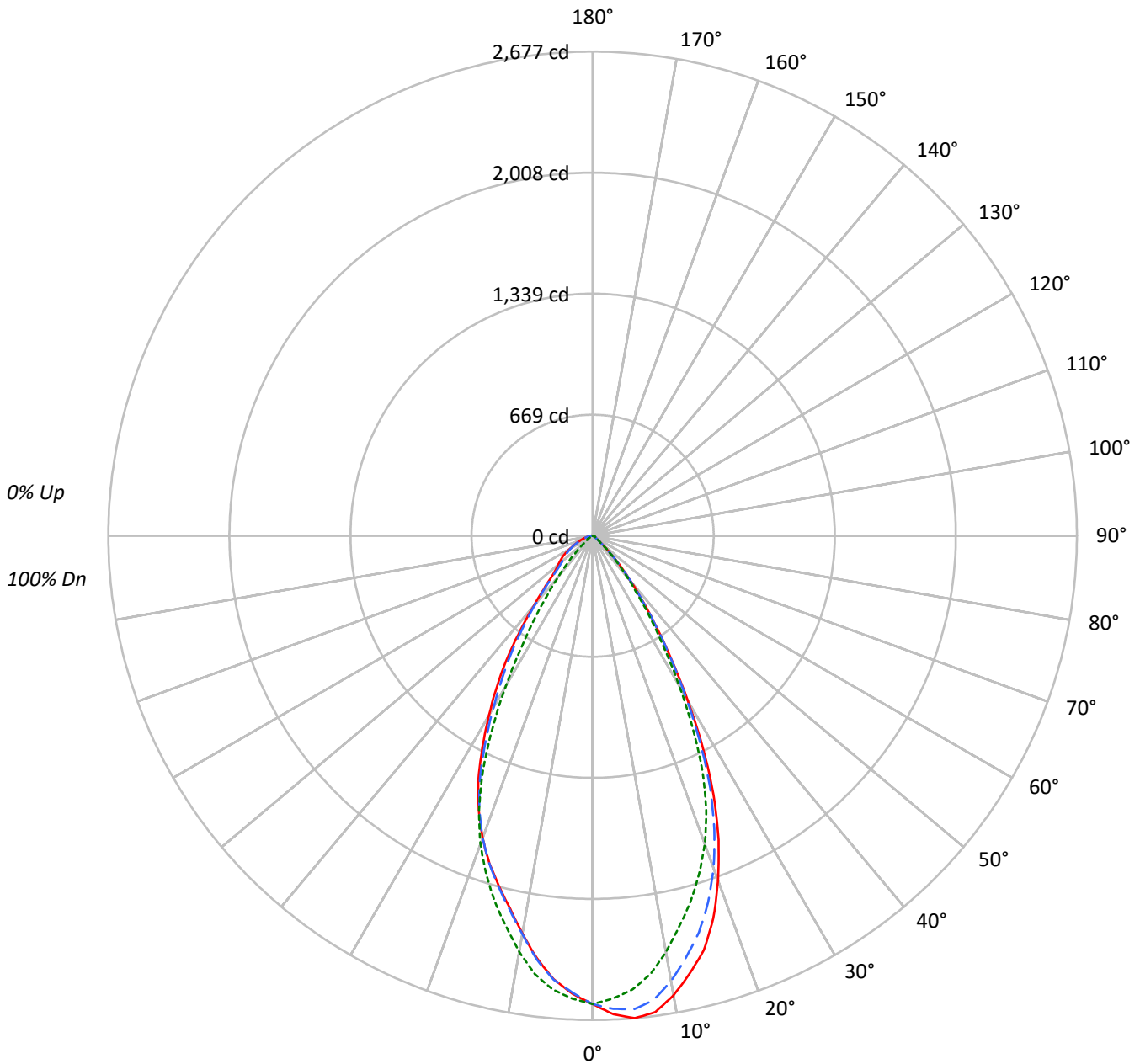
Lumens per Lamp: N/A
Luminaire Lumens: 2229.0 lumens
Efficiency: N/A
Efficacy: 55.2 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	141929	141929	141929
5°	147325	138597	135461
10°	143557	130002	124285
15°	134638	118792	113656
20°	118194	105750	103732
25°	95594	86878	90459
30°	66460	60522	72397
35°	40964	37075	54636
40°	23179	20782	36289
45°	11257	10738	24762
50°	4290	4290	21048
55°	2351	2772	19431
60°	1710	2204	15920
65°	1453	1881	13036
70°	1250	1619	10739
75°	1186	1652	9235
80°	695	1421	6693
85°	692	2830	6353



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.0	10.6
10°-20°	595.7	26.7
20°-30°	670.6	30.1
30°-40°	415.2	18.6
40°-50°	165.4	7.4
50°-60°	75.3	3.4
60°-70°	43.3	1.9
70°-80°	20.6	0.9
80°-90°	6.0	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°	1503.3	67.4
0°-40°	1918.5	86.1
0°-60°	2159.2	96.9
0°-90°	2229.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2229.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2589	2589	2589	2589	2589	
5°	2677	2628	2519	2464	2462	252
15°	2372	2270	2093	2008	2003	656
25°	1580	1538	1436	1472	1496	710
35°	612	609	554	772	816	393
45°	145	145	138	302	319	123
55°	25	24	29	179	203	24
65°	11	10	14	99	100	11
75°	6	6	8	42	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°	2589.0	2589.0	2589.0	2589.0	2589.0	2589.0	2589.0	2589.0	2589.0
2.5°	2648.2	2623.6	2618.0	2596.8	2561.0	2540.9	2528.6	2519.7	2535.3
5°	2677.2	2650.4	2628.0	2584.5	2518.6	2481.7	2463.9	2449.3	2461.6
7.5°	2656.0	2618.0	2587.8	2527.5	2443.8	2386.8	2362.2	2345.5	2356.6
10°	2578.9	2533.1	2498.5	2427.0	2335.4	2267.3	2237.1	2221.5	2232.7
12.5°	2478.4	2440.4	2387.9	2309.7	2211.4	2140.0	2117.6	2105.3	2109.8
15°	2372.3	2327.6	2269.5	2191.3	2093.1	2021.6	2008.2	2000.4	2002.6
17.5°	2218.1	2174.6	2124.3	2048.4	1957.9	1899.8	1899.8	1894.2	1897.6
20°	2026.0	2002.6	1953.4	1889.8	1812.7	1760.2	1777.0	1771.4	1778.1
22.5°	1818.3	1800.4	1758.0	1705.5	1640.7	1599.4	1636.2	1635.1	1644.1
25°	1580.4	1567.0	1538.0	1493.3	1436.3	1410.6	1472.1	1472.1	1495.5
27.5°	1317.9	1304.5	1284.4	1246.5	1199.5	1191.7	1282.2	1293.4	1319.0
30°	1049.9	1040.9	1029.8	995.2	956.1	970.6	1095.7	1114.7	1143.7
32.5°	810.9	805.3	801.9	770.7	736.0	784.1	927.0	951.6	980.6
35°	612.1	599.8	608.7	585.3	554.0	614.3	771.8	793.0	816.4
37.5°	451.2	442.3	450.1	433.4	405.4	471.3	619.9	633.3	648.9
40°	323.9	316.1	322.8	312.7	290.4	351.8	485.8	500.4	507.1
42.5°	230.1	216.7	223.4	215.6	204.4	264.7	382.0	395.4	397.6
45°	145.2	140.7	145.2	140.7	138.5	196.6	301.6	313.8	319.4
47.5°	88.2	82.6	82.6	80.4	82.6	145.2	249.1	266.9	275.9
50°	50.3	48.0	46.9	45.8	50.3	113.9	215.6	235.7	246.8
52.5°	33.5	32.4	32.4	31.3	36.9	96.1	194.3	212.2	223.4
55°	24.6	23.5	23.5	23.5	29.0	82.6	178.7	193.2	203.3
57.5°	19.0	19.0	19.0	17.9	24.6	70.4	159.7	167.5	175.4
60°	15.6	14.5	14.5	14.5	20.1	60.3	137.4	140.7	145.2
62.5°	12.3	12.3	12.3	12.3	16.8	53.6	118.4	118.4	120.6
65°	11.2	10.1	10.1	10.1	14.5	46.9	99.4	98.3	100.5
67.5°	8.9	8.9	8.9	8.9	12.3	40.2	81.5	80.4	82.6
70°	7.8	7.8	7.8	7.8	10.1	33.5	65.9	64.8	67.0
72.5°	6.7	6.7	6.7	6.7	8.9	27.9	52.5	52.5	53.6
75°	5.6	5.6	5.6	5.6	7.8	21.2	42.4	42.4	43.6
77.5°	4.5	4.5	4.5	4.5	5.6	16.8	32.4	31.3	31.3
80°	2.2	3.4	3.4	3.4	4.5	12.3	23.5	21.2	21.2
82.5°	1.1	2.2	2.2	2.2	4.5	8.9	15.6	14.5	14.5
85°	1.1	1.1	1.1	3.4	4.5	6.7	10.1	10.1	10.1
87.5°	0.0	1.1	2.2	4.5	5.6	5.6	6.7	5.6	5.6
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)