

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: P799850

Luminaire Tested: **LD6C55D010 EU6559030 6LBMDSWGPH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799850
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: LD6C55D010 EU6559030 6LBMDSWGPH
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

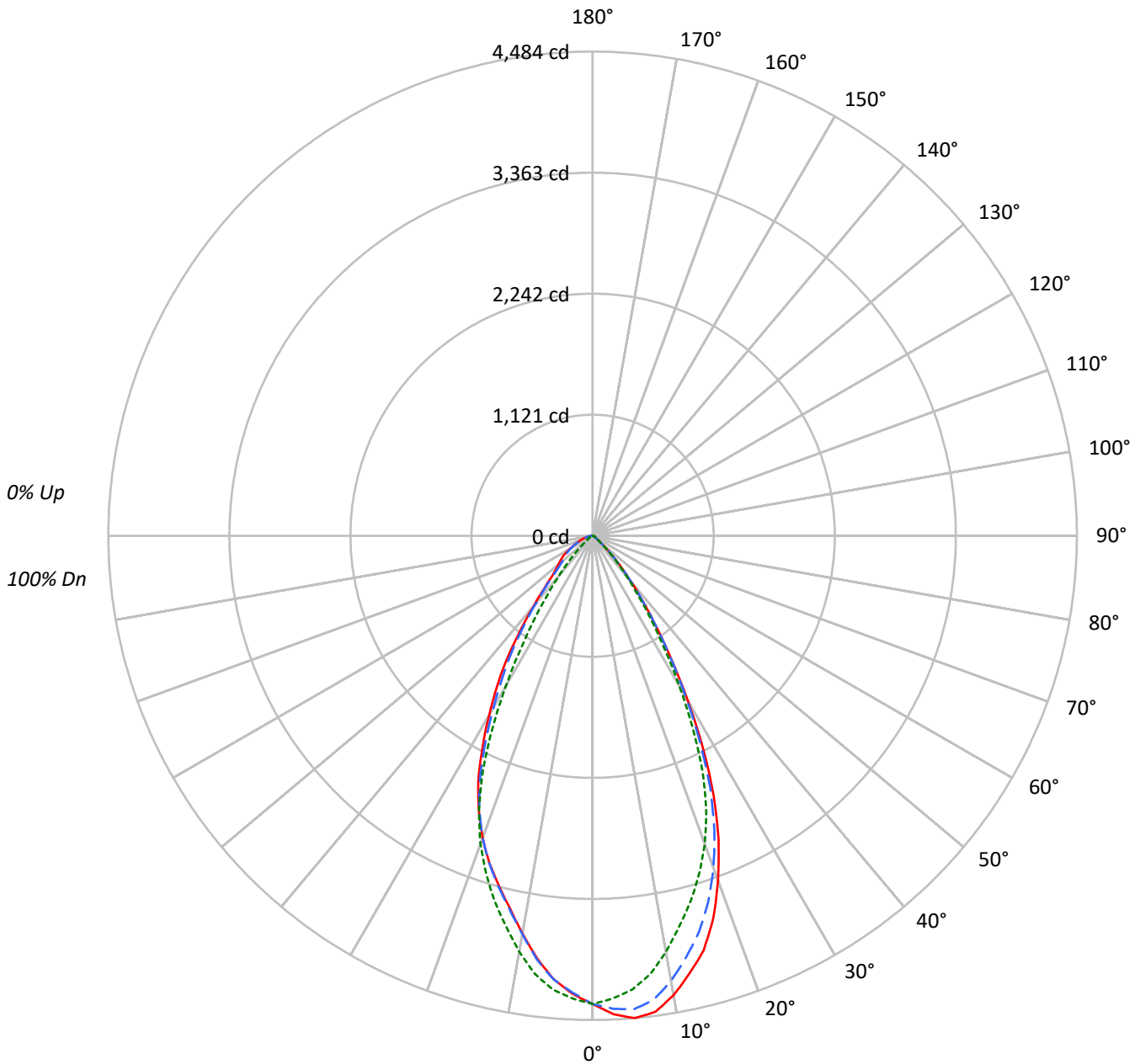
Lumens per Lamp: N/A
Luminaire Lumens: 3733.0 lumens
Efficiency: N/A
Efficacy: 58.4 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 63.9
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								
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92								
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85								
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78								
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73								
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67								
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63								
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59								
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55								
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52								
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	237689	237689	237689
5°	246731	232115	226865
10°	240421	217720	208140
15°	225484	198940	190342
20°	197948	177104	173720
25°	160098	145502	151497
30°	111302	101357	121247
35°	68596	62091	91504
40°	38816	34801	60771
45°	18855	17979	41477
50°	7181	7181	35257
55°	3938	4645	32534
60°	2873	3695	26665
65°	2426	3152	21831
70°	2100	2693	17984
75°	1991	2775	15441
80°	1168	2368	11207
85°	1195	4717	10567



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	396.9	10.6
10°-20°	997.6	26.7
20°-30°	1123.1	30.1
30°-40°	695.4	18.6
40°-50°	276.9	7.4
50°-60°	126.1	3.4
60°-70°	72.5	1.9
70°-80°	34.4	0.9
80°-90°	10.0	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°	2517.6	67.4
0°-40°	3213.1	86.1
0°-60°	3616.1	96.9
0°-90°	3733.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3733.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4336	4336	4336	4336	4336	
5°	4484	4401	4218	4126	4123	422
15°	3973	3801	3505	3363	3354	1099
25°	2647	2576	2406	2465	2505	1190
35°	1025	1019	928	1292	1367	659
45°	243	243	232	505	535	206
55°	41	39	49	299	340	41
65°	19	17	24	166	168	18
75°	9	9	13	71	73	10
85°	2	2	8	17	17	2
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°	4335.8	4335.8	4335.8	4335.8	4335.8	4335.8	4335.8	4335.8	4335.8
2.5°	4435.0	4393.8	4384.5	4348.9	4289.1	4255.4	4234.8	4219.9	4246.0
5°	4483.6	4438.7	4401.3	4328.3	4218.0	4156.3	4126.3	4102.0	4122.6
7.5°	4448.1	4384.5	4334.0	4233.0	4092.7	3997.3	3956.1	3928.1	3946.8
10°	4319.0	4242.3	4184.3	4064.6	3911.2	3797.1	3746.6	3720.4	3739.1
12.5°	4150.7	4087.1	3999.1	3868.2	3703.6	3583.9	3546.5	3525.9	3533.4
15°	3973.0	3898.1	3800.9	3669.9	3505.3	3385.6	3363.2	3350.1	3353.8
17.5°	3714.8	3641.9	3557.7	3430.5	3279.0	3181.7	3181.7	3172.4	3178.0
20°	3393.1	3353.8	3271.5	3164.9	3035.8	2947.9	2976.0	2966.6	2977.8
22.5°	3045.2	3015.3	2944.2	2856.3	2747.8	2678.6	2740.3	2738.4	2753.4
25°	2646.8	2624.3	2575.7	2500.9	2405.5	2362.4	2465.3	2465.3	2504.6
27.5°	2207.2	2184.8	2151.1	2087.5	2008.9	1995.8	2147.3	2166.0	2209.1
30°	1758.3	1743.3	1724.6	1666.6	1601.2	1625.5	1835.0	1866.8	1915.4
32.5°	1358.0	1348.6	1343.0	1290.6	1232.7	1313.1	1552.5	1593.7	1642.3
35°	1025.0	1004.5	1019.4	980.1	927.8	1028.8	1292.5	1328.1	1367.3
37.5°	755.7	740.7	753.8	725.8	679.0	789.4	1038.1	1060.6	1086.8
40°	542.4	529.4	540.6	523.7	486.3	589.2	813.7	838.0	849.2
42.5°	385.3	362.9	374.1	361.0	342.3	443.3	639.7	662.2	665.9
45°	243.2	235.7	243.2	235.7	231.9	329.2	505.0	525.6	535.0
47.5°	147.8	138.4	138.4	134.7	138.4	243.2	417.1	447.1	462.0
50°	84.2	80.4	78.6	76.7	84.2	190.8	361.0	394.7	413.4
52.5°	56.1	54.2	54.2	52.4	61.7	160.9	325.5	355.4	374.1
55°	41.2	39.3	39.3	39.3	48.6	138.4	299.3	323.6	340.4
57.5°	31.8	31.8	31.8	29.9	41.2	117.8	267.5	280.6	293.7
60°	26.2	24.3	24.3	24.3	33.7	101.0	230.1	235.7	243.2
62.5°	20.6	20.6	20.6	20.6	28.1	89.8	198.3	198.3	202.0
65°	18.7	16.8	16.8	16.8	24.3	78.6	166.5	164.6	168.3
67.5°	15.0	15.0	15.0	15.0	20.6	67.3	136.5	134.7	138.4
70°	13.1	13.1	13.1	13.1	16.8	56.1	110.4	108.5	112.2
72.5°	11.2	11.2	11.2	11.2	15.0	46.8	87.9	87.9	89.8
75°	9.4	9.4	9.4	9.4	13.1	35.5	71.1	71.1	72.9
77.5°	7.5	7.5	7.5	7.5	9.4	28.1	54.2	52.4	52.4
80°	3.7	5.6	5.6	5.6	7.5	20.6	39.3	35.5	35.5
82.5°	1.9	3.7	3.7	3.7	7.5	15.0	26.2	24.3	24.3
85°	1.9	1.9	1.9	5.6	7.5	11.2	16.8	16.8	16.8
87.5°	0.0	1.9	3.7	7.5	9.4	9.4	11.2	9.4	9.4
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)