

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: P799614

Luminaire Tested: **LD6C35D010 EU6359030 6LBMDSWWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799614
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 EU6359030 6LBMDSWWH
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

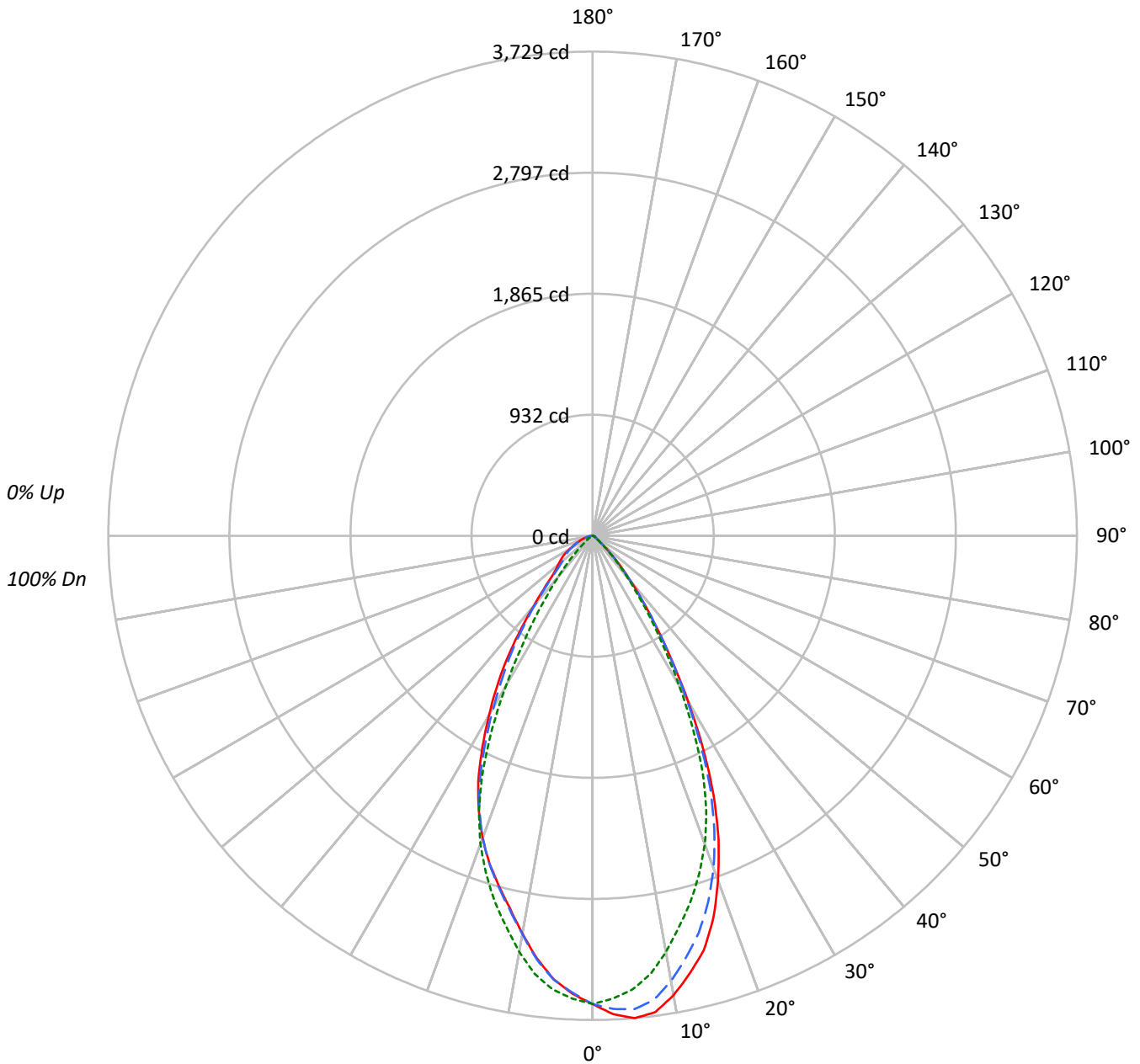
Lumens per Lamp: N/A
Luminaire Lumens: 3105.0 lumens
Efficiency: N/A
Efficacy: 76.9 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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								
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°	197703	197703	197703
5°	205222	193066	188702
10°	199974	181092	173126
15°	187549	165472	158321
20°	164648	147310	144498
25°	133163	121023	126013
30°	92578	84304	100851
35°	57059	51645	76112
40°	32289	28947	50545
45°	15684	14955	34500
50°	5970	5970	29321
55°	3269	3871	27067
60°	2390	3070	22180
65°	2024	2620	18160
70°	1747	2244	14954
75°	1652	2309	12857
80°	979	1957	9345
85°	1006	3900	8806



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	330.2	10.6
10°-20°	829.8	26.7
20°-30°	934.1	30.1
30°-40°	578.4	18.6
40°-50°	230.3	7.4
50°-60°	104.9	3.4
60°-70°	60.3	1.9
70°-80°	28.6	0.9
80°-90°	8.4	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°	2094.1	67.4
0°-40°	2672.5	86.1
0°-60°	3007.7	96.9
0°-90°	3105.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3105.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3606	3606	3606	3606	3606	
5°	3729	3661	3508	3432	3429	351
15°	3305	3162	2916	2797	2790	914
25°	2202	2142	2001	2051	2083	990
35°	853	848	772	1075	1137	548
45°	202	202	193	420	445	171
55°	34	33	40	249	283	34
65°	16	14	20	138	140	15
75°	8	8	11	59	61	8
85°	2	2	6	14	14	1
90°	0	0	0	0	0	



TEST NUMBER: P799614

CATALOG NUMBER: LD6C35D010 EU6359030 6LBMSWWH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	3606.4	3606.4	3606.4	3606.4	3606.4	3606.4	3606.4	3606.4	3606.4
2.5°	3688.9	3654.6	3646.9	3617.3	3567.5	3539.5	3522.4	3510.0	3531.7
5°	3729.3	3692.0	3660.9	3600.2	3508.4	3457.1	3432.2	3411.9	3429.1
7.5°	3699.8	3646.9	3604.9	3520.8	3404.2	3324.8	3290.6	3267.2	3282.8
10°	3592.4	3528.6	3480.4	3380.8	3253.2	3158.3	3116.3	3094.5	3110.1
12.5°	3452.4	3399.5	3326.4	3217.5	3080.5	2981.0	2949.9	2932.7	2939.0
15°	3304.6	3242.4	3161.5	3052.5	2915.6	2816.1	2797.4	2786.5	2789.6
17.5°	3089.9	3029.2	2959.2	2853.4	2727.4	2646.5	2646.5	2638.7	2643.4
20°	2822.3	2789.6	2721.1	2632.5	2525.1	2452.0	2475.3	2467.5	2476.9
22.5°	2532.9	2508.0	2448.9	2375.8	2285.5	2228.0	2279.3	2277.7	2290.2
25°	2201.5	2182.8	2142.4	2080.1	2000.8	1965.0	2050.6	2050.6	2083.3
27.5°	1835.9	1817.2	1789.2	1736.3	1671.0	1660.1	1786.1	1801.7	1837.4
30°	1462.5	1450.0	1434.5	1386.2	1331.8	1352.0	1526.3	1552.7	1593.2
32.5°	1129.5	1121.8	1117.1	1073.5	1025.3	1092.2	1291.3	1325.6	1366.0
35°	852.6	835.5	847.9	815.3	771.7	855.7	1075.1	1104.6	1137.3
37.5°	628.6	616.1	627.0	603.7	564.8	656.6	863.5	882.2	903.9
40°	451.2	440.3	449.6	435.6	404.5	490.1	676.8	697.0	706.3
42.5°	320.5	301.8	311.2	300.3	284.7	368.7	532.1	550.8	553.9
45°	202.3	196.0	202.3	196.0	192.9	273.8	420.1	437.2	445.0
47.5°	122.9	115.1	115.1	112.0	115.1	202.3	347.0	371.8	384.3
50°	70.0	66.9	65.3	63.8	70.0	158.7	300.3	328.3	343.8
52.5°	46.7	45.1	45.1	43.6	51.3	133.8	270.7	295.6	311.2
55°	34.2	32.7	32.7	32.7	40.5	115.1	248.9	269.2	283.2
57.5°	26.4	26.4	26.4	24.9	34.2	98.0	222.5	233.4	244.3
60°	21.8	20.2	20.2	20.2	28.0	84.0	191.4	196.0	202.3
62.5°	17.1	17.1	17.1	17.1	23.3	74.7	164.9	164.9	168.0
65°	15.6	14.0	14.0	14.0	20.2	65.3	138.5	136.9	140.0
67.5°	12.4	12.4	12.4	12.4	17.1	56.0	113.6	112.0	115.1
70°	10.9	10.9	10.9	10.9	14.0	46.7	91.8	90.2	93.3
72.5°	9.3	9.3	9.3	9.3	12.4	38.9	73.1	73.1	74.7
75°	7.8	7.8	7.8	7.8	10.9	29.6	59.1	59.1	60.7
77.5°	6.2	6.2	6.2	6.2	7.8	23.3	45.1	43.6	43.6
80°	3.1	4.7	4.7	4.7	6.2	17.1	32.7	29.6	29.6
82.5°	1.6	3.1	3.1	3.1	6.2	12.4	21.8	20.2	20.2
85°	1.6	1.6	1.6	4.7	6.2	9.3	14.0	14.0	14.0
87.5°	0.0	1.6	3.1	6.2	7.8	7.8	9.3	7.8	7.8
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)