

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: P799644

Luminaire Tested: **LD6C35D010 EU6359050 6LBMDDWWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799644
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-6)
Test Lab: INNOVATION CENTER
Issue Date: 4/12/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C35D010 EU6359050 6LBMDDWWH
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

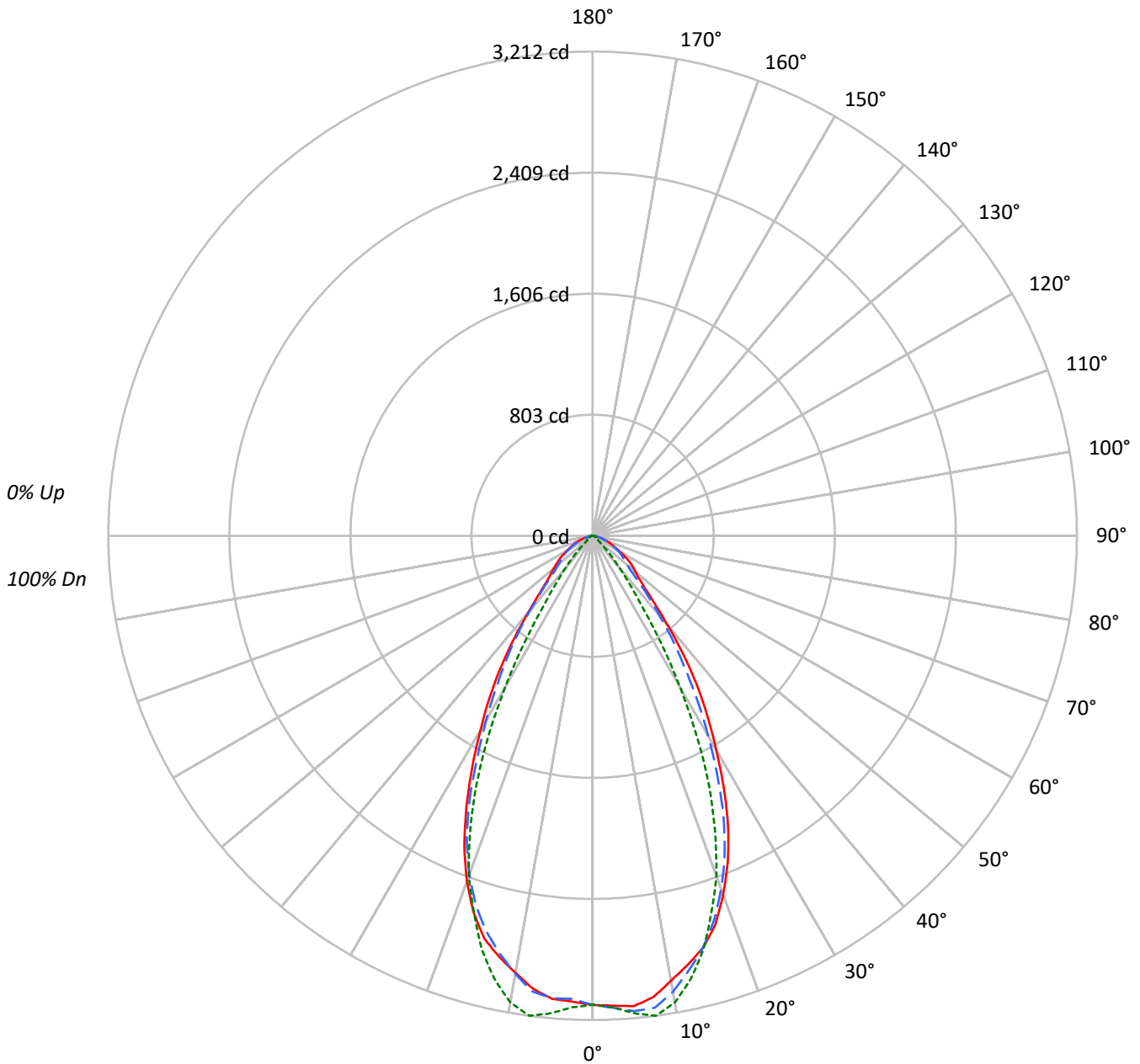
Lumens per Lamp: N/A
Luminaire Lumens: 3168.0 lumens
Efficiency: N/A
Efficacy: 78.4 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91								
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83								
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76								
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70								
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64								
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59								
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55								
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51								
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48								
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	170589	170589	170589
5°	172375	174989	169673
10°	166792	174986	163880
15°	160529	161159	157112
20°	147742	139983	142200
25°	128578	110389	119771
30°	103699	73340	94084
35°	80401	37818	70651
40°	55160	19594	47575
45°	37795	9815	33376
50°	31453	4187	28622
55°	28291	3632	25567
60°	22389	3476	21347
65°	18484	3074	18277
70°	14970	2789	14970
75°	11056	3008	11734
80°	6503	2494	7008
85°	4969	2956	4969



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	296.2	9.4
10°-20°	777.5	24.5
20°-30°	887.4	28.0
30°-40°	588.5	18.6
40°-50°	283.9	9.0
50°-60°	174.6	5.5
60°-70°	105.7	3.3
70°-80°	44.4	1.4
80°-90°	9.8	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°	1961.1	61.9
0°-40°	2549.6	80.5
0°-60°	3008.1	95.0
0°-90°	3168.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3168.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3112	3112	3112	3112	3112	
5°	3132	3166	3180	3079	3083	294
15°	2828	2828	2840	2719	2768	788
25°	2126	2054	1825	1931	1980	964
35°	1201	1059	565	988	1056	743
45°	488	427	127	399	430	398
55°	296	241	38	241	268	260
65°	142	136	24	128	141	143
75°	52	52	14	49	55	56
85°	8	11	5	8	8	10
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°	3111.8	3111.8	3111.8	3111.8	3111.8	3111.8	3111.8	3111.8	3111.8
2.5°	3119.7	3124.5	3134.0	3135.6	3130.8	3100.7	3075.4	3084.9	3092.8
5°	3132.4	3141.9	3165.6	3187.8	3179.9	3129.2	3078.6	3077.0	3083.3
7.5°	3086.5	3108.6	3157.7	3213.1	3211.5	3124.5	3050.1	3031.1	3031.1
10°	2996.3	3016.8	3070.7	3145.1	3143.5	3034.3	2951.9	2942.5	2944.0
12.5°	2915.5	2925.0	2951.9	3010.5	3010.5	2902.9	2839.6	2849.1	2861.7
15°	2828.5	2834.8	2828.5	2847.5	2839.6	2750.9	2719.3	2749.3	2768.3
17.5°	2705.0	2708.2	2675.0	2649.6	2619.6	2564.2	2572.1	2616.4	2621.1
20°	2532.5	2553.1	2492.9	2428.0	2399.5	2347.3	2391.6	2440.7	2437.5
22.5°	2342.6	2366.3	2288.7	2181.1	2122.6	2102.0	2181.1	2225.4	2223.9
25°	2125.7	2143.1	2054.5	1904.1	1825.0	1821.8	1931.0	1976.9	1980.1
27.5°	1882.0	1888.3	1788.6	1592.3	1494.2	1517.9	1655.6	1718.9	1726.9
30°	1638.2	1635.0	1532.2	1288.4	1158.6	1223.5	1408.7	1478.3	1486.3
32.5°	1415.0	1405.5	1288.4	997.2	842.1	938.6	1182.4	1255.2	1267.8
35°	1201.4	1185.5	1058.9	737.6	565.1	709.1	987.7	1051.0	1055.7
37.5°	978.2	970.3	870.5	552.4	394.1	538.2	805.7	851.6	846.8
40°	770.8	770.8	688.5	409.9	273.8	400.5	637.9	679.0	664.8
42.5°	604.6	612.5	542.9	302.3	194.7	297.6	504.9	542.9	527.1
45°	487.5	487.5	427.4	224.8	126.6	221.6	398.9	433.7	430.5
47.5°	413.1	406.8	346.6	164.6	69.6	166.2	335.6	378.3	376.7
50°	368.8	359.3	297.6	129.8	49.1	137.7	294.4	334.0	335.6
52.5°	334.0	319.7	267.5	115.5	42.7	120.3	267.5	299.2	299.2
55°	296.0	288.1	240.6	102.9	38.0	107.6	240.6	269.1	267.5
57.5°	250.1	248.5	215.3	93.4	34.8	95.0	215.3	232.7	226.3
60°	204.2	210.5	186.8	83.9	31.7	85.5	183.6	197.9	194.7
62.5°	170.9	178.9	163.0	74.4	26.9	76.0	155.1	169.4	166.2
65°	142.5	148.8	136.1	63.3	23.7	63.3	128.2	140.9	140.9
67.5°	117.1	121.9	112.4	52.2	20.6	52.2	104.5	115.5	117.1
70°	93.4	96.6	88.6	41.2	17.4	42.7	82.3	93.4	93.4
72.5°	72.8	74.4	69.6	33.2	15.8	33.2	63.3	72.8	72.8
75°	52.2	55.4	52.2	25.3	14.2	25.3	49.1	53.8	55.4
77.5°	30.1	38.0	38.0	20.6	11.1	19.0	34.8	36.4	36.4
80°	20.6	23.7	26.9	14.2	7.9	14.2	22.2	23.7	22.2
82.5°	14.2	15.8	15.8	9.5	6.3	9.5	14.2	15.8	14.2
85°	7.9	11.1	11.1	7.9	4.7	6.3	7.9	9.5	7.9
87.5°	4.7	6.3	7.9	6.3	4.7	4.7	4.7	4.7	3.2
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)