

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: P799645

Luminaire Tested: **LD6C35D010 EU6359050 6LBMDDWWMH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799645
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 6LBMDDWWMH
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

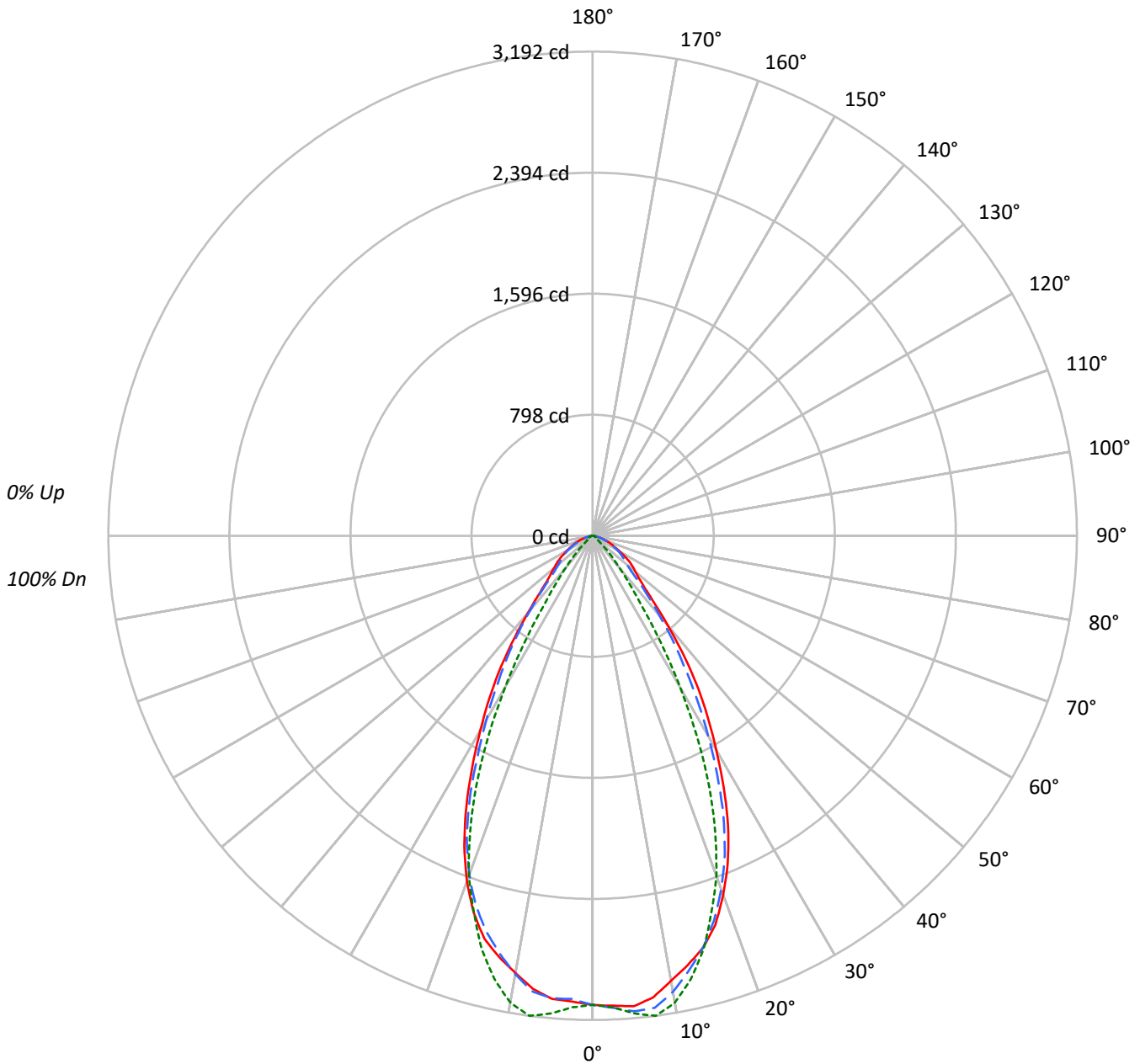
Lumens per Lamp: N/A
Luminaire Lumens: 3149.0 lumens
Efficiency: N/A
Efficacy: 77.9 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	169564	169564	169564
5°	171340	173937	168655
10°	165790	173934	162901
15°	159564	160188	156170
20°	146855	139149	141348
25°	127810	109724	119051
30°	103079	72904	93514
35°	79920	37591	70229
40°	54831	19479	47289
45°	37570	9761	33174
50°	31265	4162	28443
55°	28118	3613	25414
60°	22257	3454	21215
65°	18368	3061	18160
70°	14874	2773	14874
75°	10993	3008	11671
80°	6472	2494	6945
85°	4969	2956	4969



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	294.4	9.4
10°-20°	772.8	24.5
20°-30°	882.1	28.0
30°-40°	585.0	18.6
40°-50°	282.1	9.0
50°-60°	173.6	5.5
60°-70°	105.0	3.3
70°-80°	44.2	1.4
80°-90°	9.7	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°	1949.3	61.9
0°-40°	2534.3	80.5
0°-60°	2990.0	95.0
0°-90°	3149.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3149.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3093	3093	3093	3093	3093	
5°	3114	3147	3161	3060	3065	293
15°	2812	2812	2822	2703	2752	783
25°	2113	2042	1814	1920	1968	958
35°	1194	1053	562	982	1049	739
45°	485	425	126	396	428	395
55°	294	239	38	239	266	259
65°	142	135	24	127	140	142
75°	52	52	14	49	55	55
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°	3093.1	3093.1	3093.1	3093.1	3093.1	3093.1	3093.1	3093.1	3093.1
2.5°	3101.0	3105.7	3115.2	3116.7	3112.0	3082.1	3057.0	3066.4	3074.3
5°	3113.6	3123.0	3146.6	3168.7	3160.8	3110.5	3060.1	3058.5	3064.8
7.5°	3068.0	3090.0	3138.8	3193.8	3192.3	3105.7	3031.8	3012.9	3012.9
10°	2978.3	2998.7	3052.2	3126.2	3124.6	3016.1	2934.2	2924.8	2926.4
12.5°	2898.1	2907.5	2934.2	2992.5	2992.5	2885.5	2822.5	2832.0	2844.6
15°	2811.5	2817.8	2811.5	2830.4	2822.5	2734.4	2703.0	2732.9	2751.7
17.5°	2688.8	2692.0	2658.9	2633.7	2603.8	2548.8	2556.6	2600.7	2605.4
20°	2517.3	2537.8	2478.0	2413.5	2385.2	2333.2	2377.3	2426.1	2422.9
22.5°	2328.5	2352.1	2275.0	2168.0	2109.8	2089.4	2168.0	2212.1	2210.5
25°	2113.0	2130.3	2042.2	1892.7	1814.0	1810.9	1919.5	1965.1	1968.2
27.5°	1870.7	1877.0	1777.9	1582.8	1485.2	1508.8	1645.7	1708.6	1716.5
30°	1628.4	1625.2	1523.0	1280.7	1151.7	1216.2	1400.3	1469.5	1477.3
32.5°	1406.5	1397.1	1280.7	991.2	837.0	933.0	1175.3	1247.6	1260.2
35°	1194.2	1178.4	1052.6	733.2	561.7	704.8	981.8	1044.7	1049.4
37.5°	972.3	964.4	865.3	549.1	391.8	534.9	800.8	846.4	841.7
40°	766.2	766.2	684.4	407.5	272.2	398.1	634.0	675.0	660.8
42.5°	601.0	608.9	539.6	300.5	193.5	295.8	501.9	539.6	523.9
45°	484.6	484.6	424.8	223.4	125.9	220.3	396.5	431.1	427.9
47.5°	410.6	404.3	344.6	163.6	69.2	165.2	333.5	376.0	374.5
50°	366.6	357.1	295.8	129.0	48.8	136.9	292.6	332.0	333.5
52.5°	332.0	317.8	265.9	114.9	42.5	119.6	265.9	297.4	297.4
55°	294.2	286.3	239.1	102.3	37.8	107.0	239.1	267.5	265.9
57.5°	248.6	247.0	214.0	92.8	34.6	94.4	214.0	231.3	225.0
60°	203.0	209.3	185.7	83.4	31.5	85.0	182.5	196.7	193.5
62.5°	169.9	177.8	162.1	73.9	26.7	75.5	154.2	168.3	165.2
65°	141.6	147.9	135.3	62.9	23.6	62.9	127.4	140.0	140.0
67.5°	116.4	121.1	111.7	51.9	20.5	51.9	103.8	114.9	116.4
70°	92.8	96.0	88.1	40.9	17.3	42.5	81.8	92.8	92.8
72.5°	72.4	73.9	69.2	33.0	15.7	33.0	62.9	72.4	72.4
75°	51.9	55.1	51.9	25.2	14.2	25.2	48.8	53.5	55.1
77.5°	29.9	37.8	37.8	20.5	11.0	18.9	34.6	36.2	36.2
80°	20.5	23.6	26.7	14.2	7.9	14.2	22.0	23.6	22.0
82.5°	14.2	15.7	15.7	9.4	6.3	9.4	14.2	15.7	14.2
85°	7.9	11.0	11.0	7.9	4.7	6.3	7.9	9.4	7.9
87.5°	4.7	6.3	7.9	6.3	4.7	4.7	4.7	4.7	3.1
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)