

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: P799651

Luminaire Tested: **LD6C35D010 EU6359050 6LBMDSWWMH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799651
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 EU6359050 6LBMDSWWMH
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

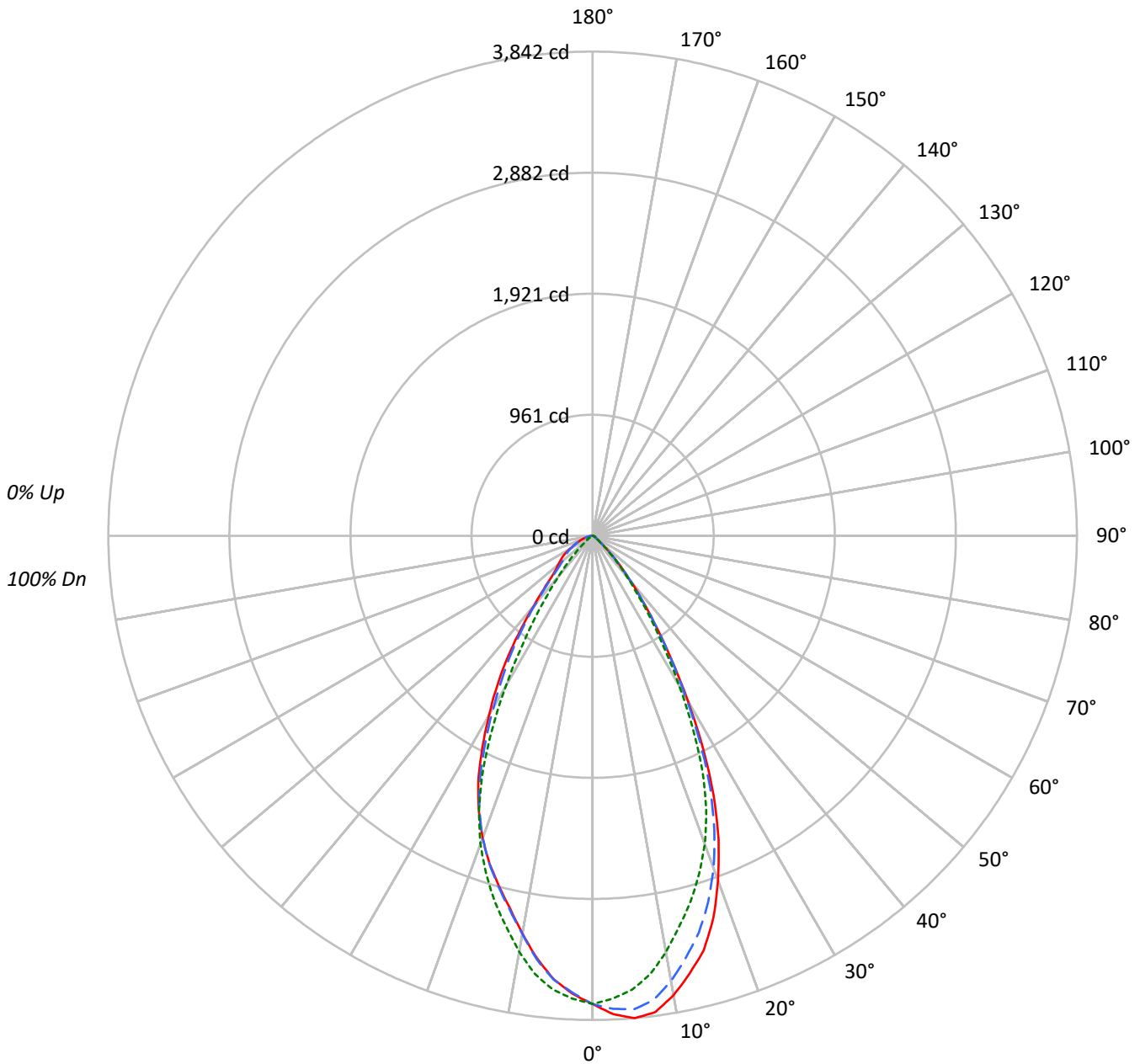
Lumens per Lamp: N/A
Luminaire Lumens: 3199.0 lumens
Efficiency: N/A
Efficacy: 79.2 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	203690	203690	203690
5°	211435	198910	194414
10°	206030	186575	178370
15°	193225	170483	163117
20°	169631	151773	148874
25°	137191	124689	129824
30°	95382	86855	103902
35°	58785	53211	78414
40°	33269	29827	52076
45°	16157	15412	35539
50°	6149	6149	30208
55°	3374	3986	27880
60°	2456	3169	22849
65°	2075	2698	18718
70°	1795	2308	15419
75°	1694	2372	13238
80°	1010	2020	9629
85°	1006	4026	9057



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	340.2	10.6
10°-20°	854.9	26.7
20°-30°	962.4	30.1
30°-40°	595.9	18.6
40°-50°	237.3	7.4
50°-60°	108.0	3.4
60°-70°	62.1	1.9
70°-80°	29.5	0.9
80°-90°	8.6	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°	2157.5	67.4
0°-40°	2753.4	86.1
0°-60°	3098.8	96.9
0°-90°	3199.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3199.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3716	3716	3716	3716	3716	
5°	3842	3772	3615	3536	3533	362
15°	3405	3257	3004	2882	2874	942
25°	2268	2207	2061	2113	2146	1020
35°	878	874	795	1108	1172	565
45°	208	208	199	433	458	177
55°	35	34	42	256	292	35
65°	16	14	21	143	144	16
75°	8	8	11	61	62	8
85°	2	2	6	14	14	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°	3715.6	3715.6	3715.6	3715.6	3715.6	3715.6	3715.6	3715.6	3715.6
2.5°	3800.6	3765.3	3757.3	3726.8	3675.5	3646.7	3629.0	3616.2	3638.7
5°	3842.2	3803.8	3771.7	3709.2	3614.6	3561.7	3536.1	3515.2	3532.9
7.5°	3811.8	3757.3	3714.0	3627.4	3507.2	3425.5	3390.2	3366.2	3382.2
10°	3701.2	3635.5	3585.8	3483.2	3351.7	3254.0	3210.7	3188.2	3204.3
12.5°	3556.9	3502.4	3427.1	3314.9	3173.8	3071.2	3039.2	3021.5	3027.9
15°	3404.6	3340.5	3257.2	3145.0	3003.9	2901.3	2882.1	2870.9	2874.1
17.5°	3183.4	3120.9	3048.8	2939.8	2809.9	2726.6	2726.6	2718.6	2723.4
20°	2907.7	2874.1	2803.5	2712.2	2601.6	2526.2	2550.3	2542.3	2551.9
22.5°	2609.6	2583.9	2523.0	2447.7	2354.7	2295.4	2348.3	2346.7	2359.5
25°	2268.1	2248.9	2207.2	2143.1	2061.4	2024.5	2112.7	2112.7	2146.3
27.5°	1891.5	1872.2	1843.4	1788.9	1721.5	1710.3	1840.2	1856.2	1893.1
30°	1506.8	1493.9	1477.9	1428.2	1372.1	1392.9	1572.5	1599.7	1641.4
32.5°	1163.7	1155.7	1150.9	1106.0	1056.3	1125.3	1330.4	1365.7	1407.4
35°	878.4	860.8	873.6	839.9	795.1	881.6	1107.6	1138.1	1171.7
37.5°	647.6	634.8	646.0	621.9	581.9	676.4	889.6	908.9	931.3
40°	464.9	453.6	463.2	448.8	416.8	504.9	697.3	718.1	727.7
42.5°	330.2	311.0	320.6	309.4	293.3	379.9	548.2	567.4	570.6
45°	208.4	202.0	208.4	202.0	198.8	282.1	432.8	450.4	458.4
47.5°	126.6	118.6	118.6	115.4	118.6	208.4	357.5	383.1	395.9
50°	72.1	68.9	67.3	65.7	72.1	163.5	309.4	338.2	354.2
52.5°	48.1	46.5	46.5	44.9	52.9	137.9	278.9	304.6	320.6
55°	35.3	33.7	33.7	33.7	41.7	118.6	256.5	277.3	291.7
57.5°	27.2	27.2	27.2	25.6	35.3	101.0	229.2	240.4	251.7
60°	22.4	20.8	20.8	20.8	28.9	86.6	197.2	202.0	208.4
62.5°	17.6	17.6	17.6	17.6	24.0	76.9	169.9	169.9	173.1
65°	16.0	14.4	14.4	14.4	20.8	67.3	142.7	141.1	144.3
67.5°	12.8	12.8	12.8	12.8	17.6	57.7	117.0	115.4	118.6
70°	11.2	11.2	11.2	11.2	14.4	48.1	94.6	93.0	96.2
72.5°	9.6	9.6	9.6	9.6	12.8	40.1	75.3	75.3	76.9
75°	8.0	8.0	8.0	8.0	11.2	30.5	60.9	60.9	62.5
77.5°	6.4	6.4	6.4	6.4	8.0	24.0	46.5	44.9	44.9
80°	3.2	4.8	4.8	4.8	6.4	17.6	33.7	30.5	30.5
82.5°	1.6	3.2	3.2	3.2	6.4	12.8	22.4	20.8	20.8
85°	1.6	1.6	1.6	4.8	6.4	9.6	14.4	14.4	14.4
87.5°	0.0	1.6	3.2	6.4	8.0	8.0	9.6	8.0	8.0
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)