

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: P799649

Luminaire Tested: **LD6C35D010 EU6359050 6LBMDSWMW**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799649
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 6LBMDSWMW
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

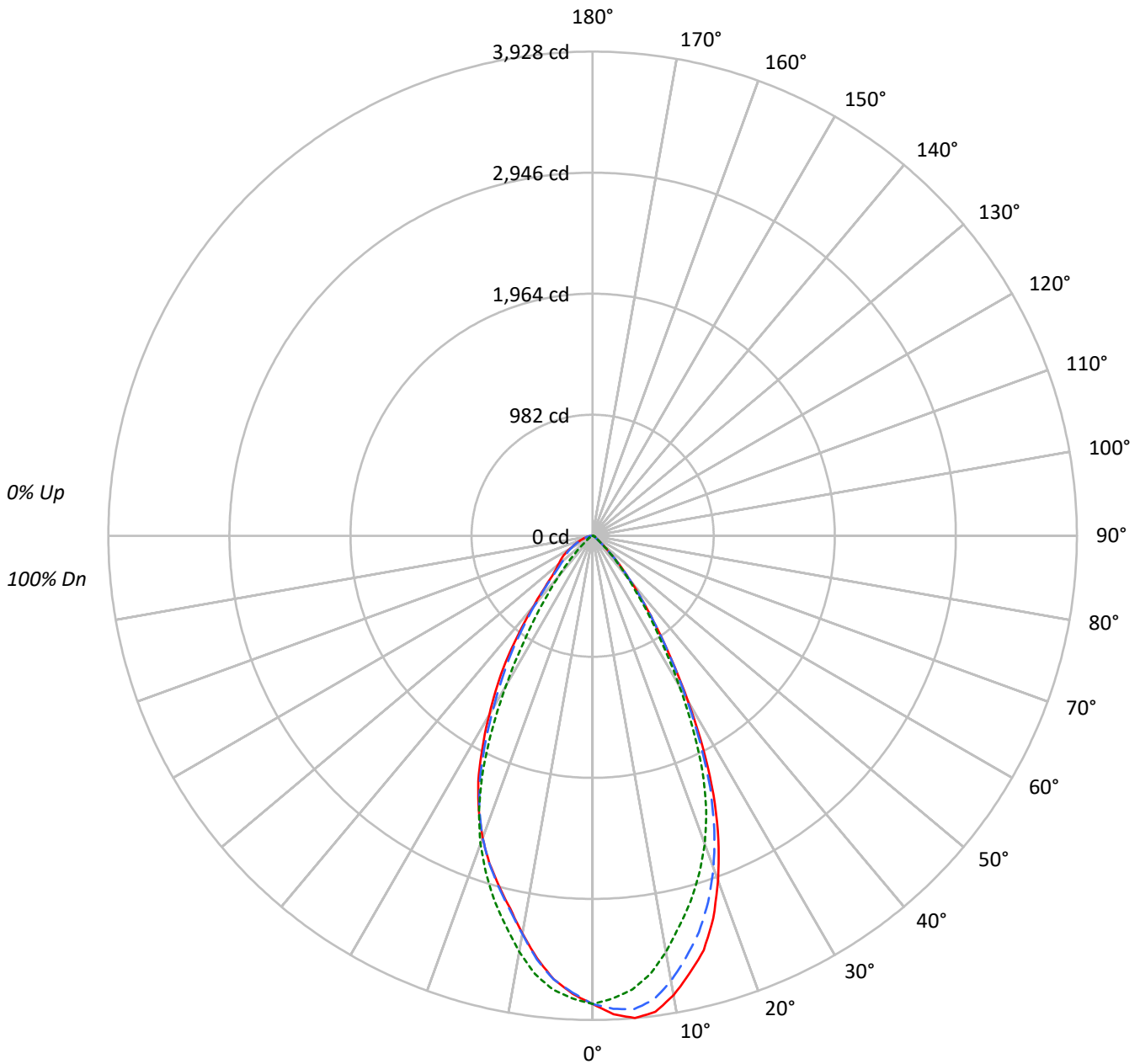
Lumens per Lamp: N/A
Luminaire Lumens: 3270.0 lumens
Efficiency: N/A
Efficacy: 80.9 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	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°	208212	208212	208212
5°	216129	203323	198728
10°	210601	190717	182328
15°	197515	174269	166732
20°	173399	155139	152176
25°	140240	127453	132709
30°	97496	88786	106206
35°	60090	54388	80154
40°	34007	30486	53235
45°	16513	15754	36329
50°	6286	6286	30882
55°	3441	4072	28501
60°	2511	3234	23353
65°	2127	2763	19133
70°	1843	2356	15756
75°	1737	2436	13535
80°	1042	2084	9818
85°	1006	4151	9246



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	347.7	10.6
10°-20°	873.9	26.7
20°-30°	983.8	30.1
30°-40°	609.2	18.6
40°-50°	242.6	7.4
50°-60°	110.4	3.4
60°-70°	63.5	1.9
70°-80°	30.2	0.9
80°-90°	8.8	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°	2205.4	67.4
0°-40°	2814.5	86.1
0°-60°	3167.6	96.9
0°-90°	3270.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3270.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3798	3798	3798	3798	3798	
5°	3928	3855	3695	3615	3611	370
15°	3480	3329	3071	2946	2938	963
25°	2318	2256	2107	2160	2194	1042
35°	898	893	813	1132	1198	577
45°	213	213	203	442	469	180
55°	36	34	43	262	298	36
65°	16	15	21	146	148	16
75°	8	8	12	62	64	8
85°	2	2	7	15	15	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°	3798.1	3798.1	3798.1	3798.1	3798.1	3798.1	3798.1	3798.1	3798.1
2.5°	3884.9	3848.9	3840.7	3809.5	3757.1	3727.6	3709.6	3696.5	3719.4
5°	3927.5	3888.2	3855.4	3791.5	3694.8	3640.8	3614.6	3593.2	3611.3
7.5°	3896.4	3840.7	3796.4	3707.9	3585.1	3501.5	3465.4	3440.9	3457.3
10°	3783.3	3716.1	3665.3	3560.5	3426.1	3326.2	3281.9	3259.0	3275.4
12.5°	3635.9	3580.1	3503.1	3388.4	3244.2	3139.4	3106.6	3088.6	3095.1
15°	3480.2	3414.7	3329.4	3214.8	3070.6	2965.7	2946.0	2934.6	2937.8
17.5°	3254.1	3190.2	3116.4	3005.0	2872.3	2787.1	2787.1	2778.9	2783.8
20°	2972.3	2937.8	2865.8	2772.4	2659.3	2582.3	2606.9	2598.7	2608.5
22.5°	2667.5	2641.3	2579.0	2502.0	2407.0	2346.3	2400.4	2398.8	2411.9
25°	2318.5	2298.8	2256.2	2190.7	2107.1	2069.4	2159.6	2159.6	2194.0
27.5°	1933.4	1913.8	1884.3	1828.6	1759.8	1748.3	1881.0	1897.4	1935.1
30°	1540.2	1527.1	1510.7	1459.9	1402.6	1423.9	1607.4	1635.2	1677.8
32.5°	1189.6	1181.4	1176.4	1130.6	1079.8	1150.2	1360.0	1396.0	1438.6
35°	897.9	879.9	893.0	858.6	812.7	901.2	1132.2	1163.3	1197.7
37.5°	662.0	648.8	660.3	635.7	594.8	691.5	909.4	929.0	952.0
40°	475.2	463.7	473.5	458.8	426.0	516.1	712.8	734.1	743.9
42.5°	337.5	317.9	327.7	316.2	299.8	388.3	560.4	580.0	583.3
45°	213.0	206.5	213.0	206.5	203.2	288.4	442.4	460.4	468.6
47.5°	129.4	121.2	121.2	118.0	121.2	213.0	365.4	391.6	404.7
50°	73.7	70.5	68.8	67.2	73.7	167.1	316.2	345.7	362.1
52.5°	49.2	47.5	47.5	45.9	54.1	140.9	285.1	311.3	327.7
55°	36.0	34.4	34.4	34.4	42.6	121.2	262.2	283.5	298.2
57.5°	27.9	27.9	27.9	26.2	36.0	103.2	234.3	245.8	257.2
60°	22.9	21.3	21.3	21.3	29.5	88.5	201.5	206.5	213.0
62.5°	18.0	18.0	18.0	18.0	24.6	78.6	173.7	173.7	177.0
65°	16.4	14.7	14.7	14.7	21.3	68.8	145.8	144.2	147.5
67.5°	13.1	13.1	13.1	13.1	18.0	59.0	119.6	118.0	121.2
70°	11.5	11.5	11.5	11.5	14.7	49.2	96.7	95.0	98.3
72.5°	9.8	9.8	9.8	9.8	13.1	41.0	77.0	77.0	78.6
75°	8.2	8.2	8.2	8.2	11.5	31.1	62.3	62.3	63.9
77.5°	6.6	6.6	6.6	6.6	8.2	24.6	47.5	45.9	45.9
80°	3.3	4.9	4.9	4.9	6.6	18.0	34.4	31.1	31.1
82.5°	1.6	3.3	3.3	3.3	6.6	13.1	22.9	21.3	21.3
85°	1.6	1.6	1.6	4.9	6.6	9.8	14.7	14.7	14.7
87.5°	0.0	1.6	3.3	6.6	8.2	8.2	9.8	8.2	8.2
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)