

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: P799624

Luminaire Tested: **LD6C35D010 EU6359035 6LBMDSWLI**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799624
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 EU6359035 6LBMDSWLI
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDSW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

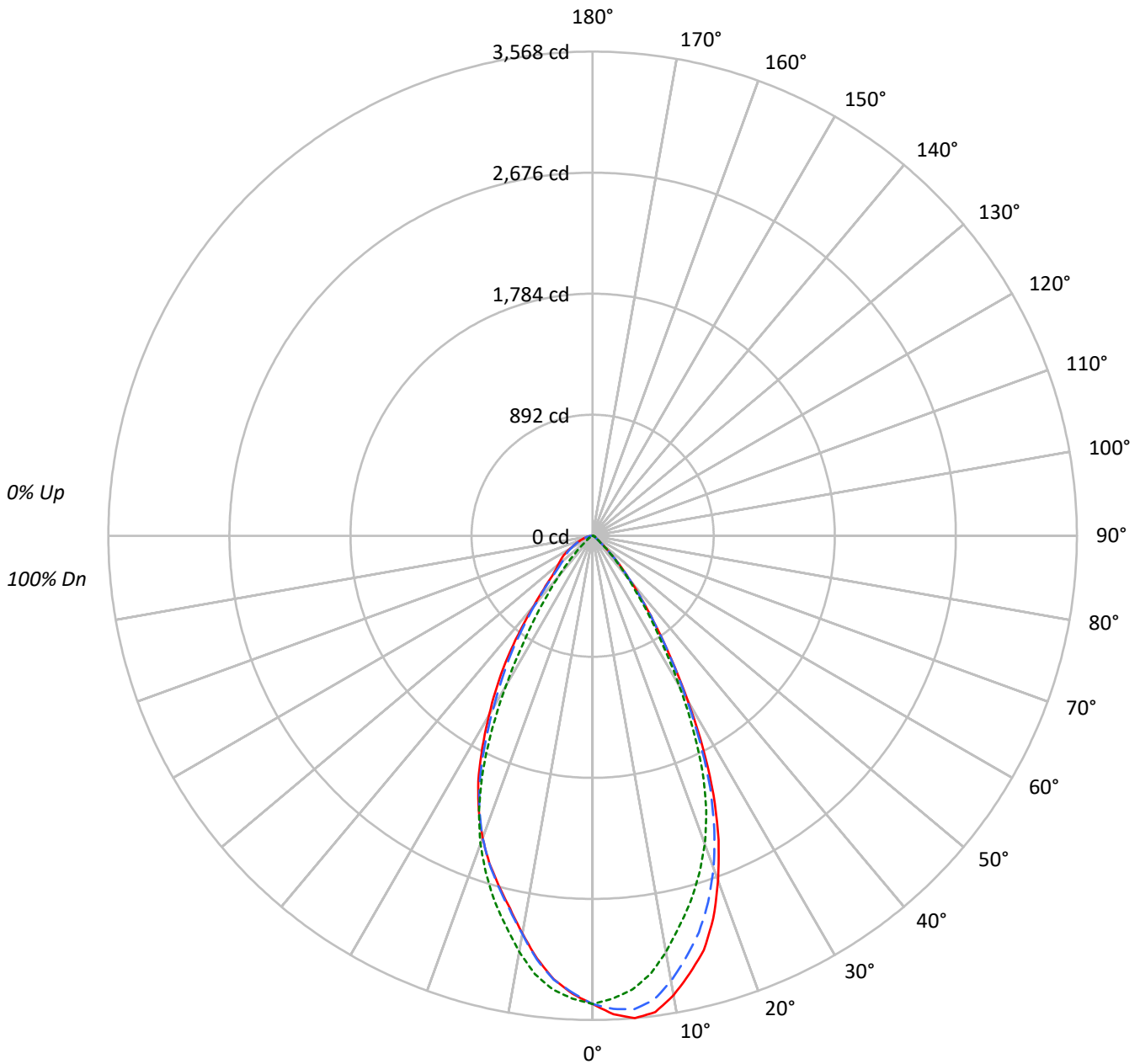
Lumens per Lamp: N/A
Luminaire Lumens: 2971.0 lumens
Efficiency: N/A
Efficacy: 73.5 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	100	100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92	92	92	92
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85	85	85	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78	78	78	78
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73	73	73	73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67	67	67	67
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63	63	63	63
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59	59	59	59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55	55	55	55
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52	52	52	52
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49	49	49	49

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	189173	189173	189173
5°	196368	184734	180558
10°	191346	173277	165656
15°	179456	158332	151488
20°	157543	140951	138262
25°	127417	115803	120576
30°	88583	80664	96496
35°	54596	49416	72826
40°	30894	27702	48369
45°	15002	14312	33011
50°	5714	5714	28059
55°	3135	3699	25892
60°	2281	2938	21215
65°	1933	2516	17382
70°	1667	2148	14313
75°	1567	2203	12306
80°	947	1894	8934
85°	943	3774	8428



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.9	10.6
10°-20°	794.0	26.7
20°-30°	893.8	30.1
30°-40°	553.5	18.6
40°-50°	220.4	7.4
50°-60°	100.3	3.4
60°-70°	57.7	1.9
70°-80°	27.4	0.9
80°-90°	8.0	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°	2003.7	67.4
0°-40°	2557.2	86.1
0°-60°	2877.9	96.9
0°-90°	2971.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2971.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3451	3451	3451	3451	3451	
5°	3568	3503	3357	3284	3281	336
15°	3162	3025	2790	2677	2669	875
25°	2106	2050	1914	1962	1993	947
35°	816	811	738	1029	1088	524
45°	194	194	185	402	426	164
55°	33	31	39	238	271	33
65°	15	13	19	132	134	15
75°	7	7	10	57	58	8
85°	2	2	6	13	13	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°	3450.8	3450.8	3450.8	3450.8	3450.8	3450.8	3450.8	3450.8	3450.8
2.5°	3529.7	3496.9	3489.5	3461.2	3413.6	3386.8	3370.4	3358.5	3379.3
5°	3568.4	3532.7	3502.9	3444.8	3357.0	3307.9	3284.0	3264.7	3281.1
7.5°	3540.1	3489.5	3449.3	3368.9	3257.2	3181.3	3148.6	3126.2	3141.1
10°	3437.4	3376.3	3330.2	3234.9	3112.8	3022.0	2981.8	2961.0	2975.9
12.5°	3303.4	3252.8	3182.8	3078.6	2947.6	2852.3	2822.6	2806.2	2812.1
15°	3162.0	3102.4	3025.0	2920.8	2789.8	2694.5	2676.7	2666.2	2669.2
17.5°	2956.5	2898.5	2831.5	2730.3	2609.7	2532.3	2532.3	2524.8	2529.3
20°	2700.5	2669.2	2603.7	2518.9	2416.1	2346.2	2368.5	2361.1	2370.0
22.5°	2423.6	2399.8	2343.2	2273.2	2186.9	2131.8	2180.9	2179.4	2191.3
25°	2106.5	2088.6	2049.9	1990.4	1914.5	1880.2	1962.1	1962.1	1993.4
27.5°	1756.7	1738.8	1712.0	1661.4	1598.9	1588.4	1709.0	1723.9	1758.1
30°	1399.4	1387.5	1372.6	1326.4	1274.3	1293.7	1460.4	1485.7	1524.4
32.5°	1080.8	1073.3	1068.9	1027.2	981.0	1045.1	1235.6	1268.4	1307.1
35°	815.8	799.4	811.3	780.1	738.4	818.8	1028.7	1057.0	1088.2
37.5°	601.4	589.5	599.9	577.6	540.4	628.2	826.2	844.1	864.9
40°	431.7	421.3	430.2	416.8	387.1	468.9	647.6	666.9	675.9
42.5°	306.7	288.8	297.7	287.3	272.4	352.8	509.1	527.0	530.0
45°	193.5	187.6	193.5	187.6	184.6	262.0	401.9	418.3	425.8
47.5°	117.6	110.2	110.2	107.2	110.2	193.5	332.0	355.8	367.7
50°	67.0	64.0	62.5	61.0	67.0	151.8	287.3	314.1	329.0
52.5°	44.7	43.2	43.2	41.7	49.1	128.0	259.0	282.9	297.7
55°	32.8	31.3	31.3	31.3	38.7	110.2	238.2	257.5	270.9
57.5°	25.3	25.3	25.3	23.8	32.8	93.8	212.9	223.3	233.7
60°	20.8	19.4	19.4	19.4	26.8	80.4	183.1	187.6	193.5
62.5°	16.4	16.4	16.4	16.4	22.3	71.5	157.8	157.8	160.8
65°	14.9	13.4	13.4	13.4	19.4	62.5	132.5	131.0	134.0
67.5°	11.9	11.9	11.9	11.9	16.4	53.6	108.7	107.2	110.2
70°	10.4	10.4	10.4	10.4	13.4	44.7	87.8	86.3	89.3
72.5°	8.9	8.9	8.9	8.9	11.9	37.2	70.0	70.0	71.5
75°	7.4	7.4	7.4	7.4	10.4	28.3	56.6	56.6	58.1
77.5°	6.0	6.0	6.0	6.0	7.4	22.3	43.2	41.7	41.7
80°	3.0	4.5	4.5	4.5	6.0	16.4	31.3	28.3	28.3
82.5°	1.5	3.0	3.0	3.0	6.0	11.9	20.8	19.4	19.4
85°	1.5	1.5	1.5	4.5	6.0	8.9	13.4	13.4	13.4
87.5°	0.0	1.5	3.0	6.0	7.4	7.4	8.9	7.4	7.4
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)