

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: P799623

Luminaire Tested: **LD6C35D010 EU6359035 6LBMDSWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799623
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 6LBMDSWH
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

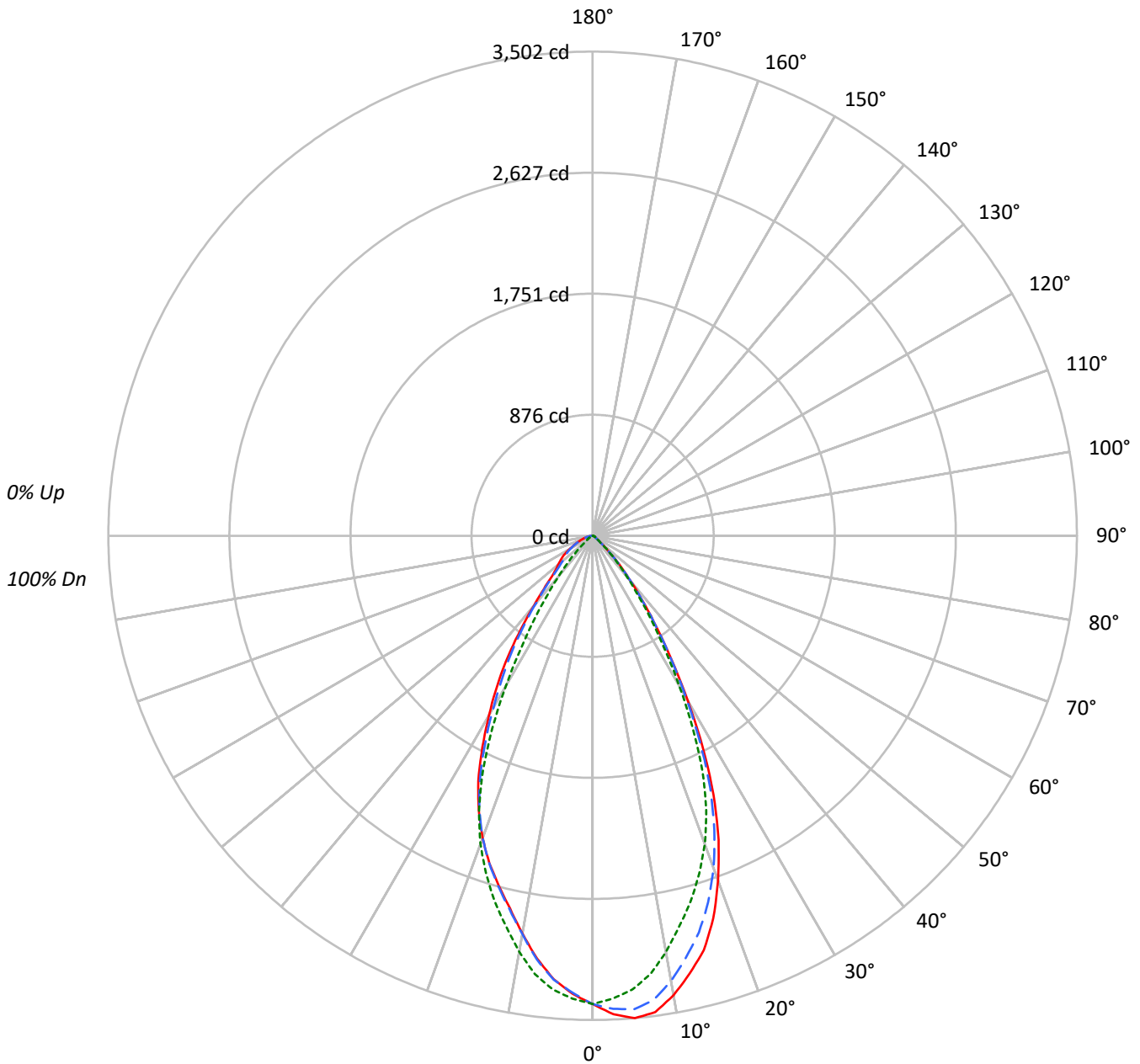
Lumens per Lamp: N/A
Luminaire Lumens: 2916.0 lumens
Efficiency: N/A
Efficacy: 72.2 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	185670	185670	185670
5°	192730	181311	177212
10°	187800	170070	162589
15°	176130	155404	148684
20°	154626	138344	135701
25°	125058	113656	118344
30°	86944	79170	94711
35°	53585	48499	71481
40°	30321	27187	47475
45°	14722	14048	32399
50°	5612	5612	27539
55°	3068	3632	25414
60°	2248	2884	20821
65°	1894	2465	17058
70°	1635	2116	14057
75°	1546	2160	12073
80°	916	1831	8776
85°	943	3648	8303



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.1	10.6
10°-20°	779.3	26.7
20°-30°	877.3	30.1
30°-40°	543.2	18.6
40°-50°	216.3	7.4
50°-60°	98.5	3.4
60°-70°	56.6	1.9
70°-80°	26.9	0.9
80°-90°	7.9	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°	1966.6	67.4
0°-40°	2509.8	86.1
0°-60°	2824.7	96.9
0°-90°	2916.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2916.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3387	3387	3387	3387	3387	
5°	3502	3438	3295	3223	3220	330
15°	3103	2969	2738	2627	2620	859
25°	2068	2012	1879	1926	1956	929
35°	801	796	725	1010	1068	515
45°	190	190	181	394	418	161
55°	32	31	38	234	266	32
65°	15	13	19	130	132	14
75°	7	7	10	56	57	7
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°	3386.9	3386.9	3386.9	3386.9	3386.9	3386.9	3386.9	3386.9	3386.9
2.5°	3464.3	3432.2	3424.9	3397.1	3350.4	3324.1	3308.0	3296.3	3316.8
5°	3502.3	3467.3	3438.0	3381.1	3294.8	3246.6	3223.3	3204.3	3220.3
7.5°	3474.6	3424.9	3385.4	3306.5	3197.0	3122.4	3090.3	3068.4	3083.0
10°	3373.7	3313.8	3268.5	3175.0	3055.2	2966.1	2926.6	2906.2	2920.8
12.5°	3242.2	3192.6	3123.9	3021.6	2893.0	2799.5	2770.3	2754.2	2760.1
15°	3103.4	3045.0	2969.0	2866.7	2738.2	2644.6	2627.1	2616.9	2619.8
17.5°	2901.8	2844.8	2779.1	2679.7	2561.4	2485.4	2485.4	2478.1	2482.5
20°	2650.5	2619.8	2555.5	2472.2	2371.4	2302.7	2324.7	2317.4	2326.1
22.5°	2378.7	2355.3	2299.8	2231.1	2146.4	2092.3	2140.6	2139.1	2150.8
25°	2067.5	2050.0	2012.0	1953.5	1879.0	1845.4	1925.8	1925.8	1956.5
27.5°	1724.1	1706.6	1680.3	1630.6	1569.3	1559.0	1677.4	1692.0	1725.6
30°	1373.5	1361.8	1347.2	1301.9	1250.7	1269.7	1433.4	1458.2	1496.2
32.5°	1060.8	1053.5	1049.1	1008.2	962.9	1025.7	1212.7	1244.9	1282.9
35°	800.7	784.6	796.3	765.6	724.7	803.6	1009.6	1037.4	1068.1
37.5°	590.3	578.6	588.8	566.9	530.4	616.6	810.9	828.5	848.9
40°	423.7	413.5	422.3	409.1	379.9	460.3	635.6	654.6	663.4
42.5°	301.0	283.5	292.2	282.0	267.4	346.3	499.7	517.2	520.2
45°	189.9	184.1	189.9	184.1	181.2	257.2	394.5	410.6	417.9
47.5°	115.4	108.1	108.1	105.2	108.1	189.9	325.8	349.2	360.9
50°	65.8	62.8	61.4	59.9	65.8	149.0	282.0	308.3	322.9
52.5°	43.8	42.4	42.4	40.9	48.2	125.7	254.2	277.6	292.2
55°	32.1	30.7	30.7	30.7	38.0	108.1	233.8	252.8	265.9
57.5°	24.8	24.8	24.8	23.4	32.1	92.1	208.9	219.2	229.4
60°	20.5	19.0	19.0	19.0	26.3	78.9	179.7	184.1	189.9
62.5°	16.1	16.1	16.1	16.1	21.9	70.1	154.9	154.9	157.8
65°	14.6	13.2	13.2	13.2	19.0	61.4	130.0	128.6	131.5
67.5°	11.7	11.7	11.7	11.7	16.1	52.6	106.7	105.2	108.1
70°	10.2	10.2	10.2	10.2	13.2	43.8	86.2	84.7	87.7
72.5°	8.8	8.8	8.8	8.8	11.7	36.5	68.7	68.7	70.1
75°	7.3	7.3	7.3	7.3	10.2	27.8	55.5	55.5	57.0
77.5°	5.8	5.8	5.8	5.8	7.3	21.9	42.4	40.9	40.9
80°	2.9	4.4	4.4	4.4	5.8	16.1	30.7	27.8	27.8
82.5°	1.5	2.9	2.9	2.9	5.8	11.7	20.5	19.0	19.0
85°	1.5	1.5	1.5	4.4	5.8	8.8	13.2	13.2	13.2
87.5°	0.0	1.5	2.9	5.8	7.3	7.3	8.8	7.3	7.3
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)