

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: P799603

Luminaire Tested: **LD6C35D010 EU6359027 6LBMDSWWMH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799603
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 EU6359027 6LBMDSWWMH
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

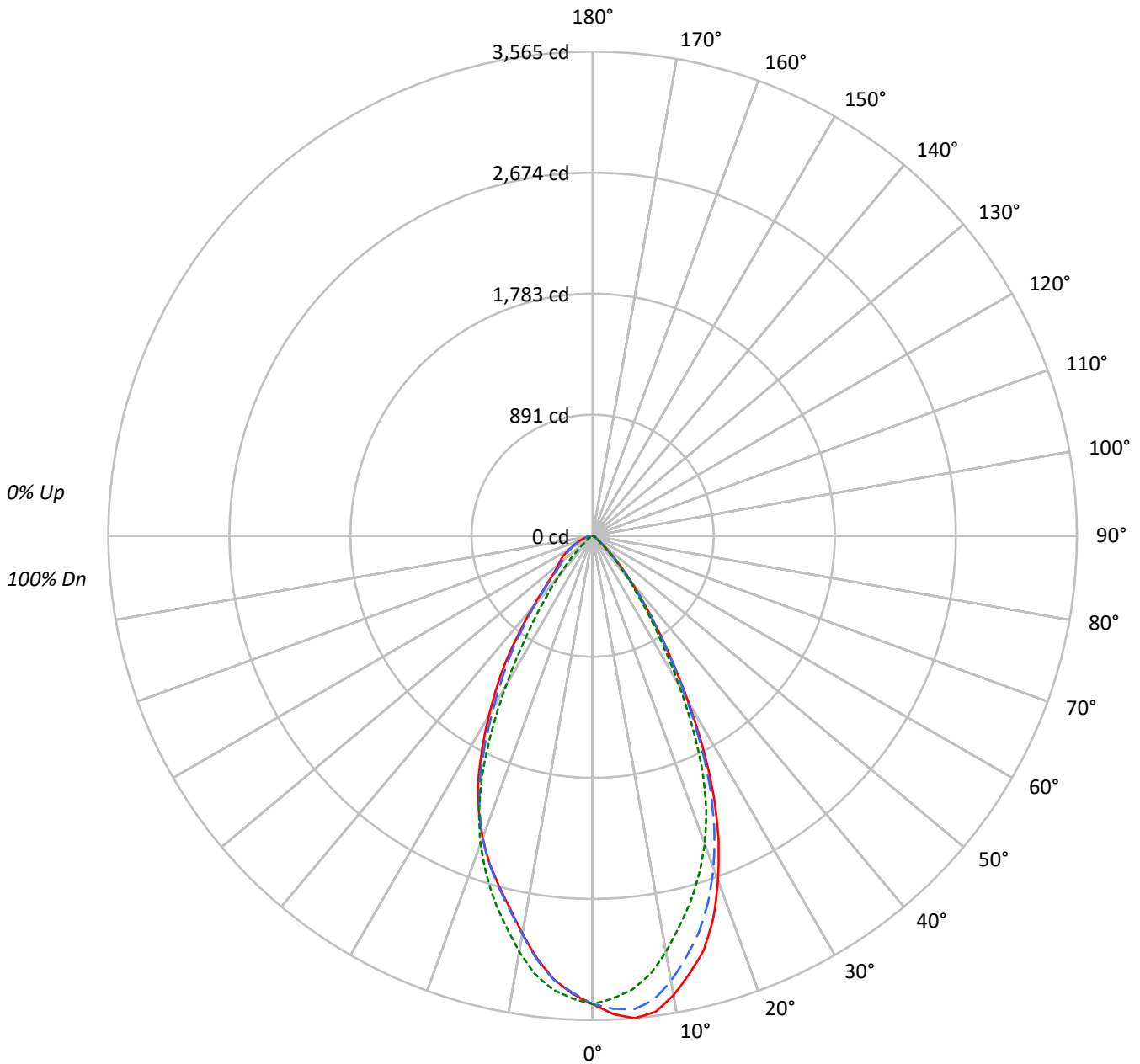
Lumens per Lamp: N/A
Luminaire Lumens: 2968.0 lumens
Efficiency: N/A
Efficacy: 73.5 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P799603

CATALOG NUMBER: LD6C35D010 EU6359027 6LBMDSWWMH

Luminous Intensity Polar Plot





TEST NUMBER: P799603

CATALOG NUMBER: LD6C35D010 EU6359027 6LBMDSWWMH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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°	188982	188982	188982
5°	196169	184547	180376
10°	191151	173104	165489
15°	179275	158173	151335
20°	157385	140811	138122
25°	127290	115682	120448
30°	88495	80582	96401
35°	54542	49362	72752
40°	30865	27673	48319
45°	14986	14296	32972
50°	5706	5706	28033
55°	3125	3699	25872
60°	2281	2938	21193
65°	1933	2504	17356
70°	1667	2148	14297
75°	1567	2203	12285
80°	947	1863	8934
85°	943	3711	8428



TEST NUMBER: P799603

CATALOG NUMBER: LD6C35D010 EU6359027 6LBMDSWWMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.6	10.6
10°-20°	793.2	26.7
20°-30°	892.9	30.1
30°-40°	552.9	18.6
40°-50°	220.2	7.4
50°-60°	100.2	3.4
60°-70°	57.6	1.9
70°-80°	27.3	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°	2001.7	67.4
0°-40°	2554.6	86.1
0°-60°	2875.0	96.9
0°-90°	2968.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2968.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3447	3447	3447	3447	3447	
5°	3565	3499	3354	3281	3278	336
15°	3159	3022	2787	2674	2666	874
25°	2104	2048	1912	1960	1991	946
35°	815	810	738	1028	1087	524
45°	193	193	184	402	425	164
55°	33	31	39	238	271	32
65°	15	13	19	132	134	15
75°	7	7	10	56	58	8
85°	2	2	6	13	13	1
90°	0	0	0	0	0	



TEST NUMBER: P799603

CATALOG NUMBER: LD6C35D010 EU6359027 6LBMDSWWMH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	3447.3	3447.3	3447.3	3447.3	3447.3	3447.3	3447.3	3447.3	3447.3
2.5°	3526.1	3493.4	3486.0	3457.7	3410.1	3383.3	3367.0	3355.1	3375.9
5°	3564.8	3529.1	3499.3	3441.3	3353.6	3304.5	3280.7	3261.4	3277.8
7.5°	3536.5	3486.0	3445.8	3365.5	3254.0	3178.1	3145.4	3123.1	3138.0
10°	3433.9	3372.9	3326.8	3231.7	3109.7	3019.0	2978.8	2958.0	2972.9
12.5°	3300.1	3249.5	3179.6	3075.5	2944.6	2849.4	2819.7	2803.3	2809.3
15°	3158.8	3099.3	3022.0	2917.9	2787.0	2691.8	2674.0	2663.5	2666.5
17.5°	2953.5	2895.5	2828.6	2727.5	2607.0	2529.7	2529.7	2522.3	2526.7
20°	2697.8	2666.5	2601.1	2516.3	2413.7	2343.8	2366.1	2358.7	2367.6
22.5°	2421.1	2397.3	2340.8	2270.9	2184.7	2129.6	2178.7	2177.2	2189.1
25°	2104.4	2086.5	2047.9	1988.4	1912.5	1878.3	1960.1	1960.1	1991.3
27.5°	1754.9	1737.0	1710.3	1659.7	1597.2	1586.8	1707.3	1722.2	1756.4
30°	1398.0	1386.1	1371.2	1325.1	1273.0	1292.4	1458.9	1484.2	1522.9
32.5°	1079.7	1072.3	1067.8	1026.2	980.1	1044.0	1234.4	1267.1	1305.7
35°	815.0	798.6	810.5	779.3	737.6	818.0	1027.6	1055.9	1087.1
37.5°	600.8	588.9	599.3	577.0	539.8	627.6	825.4	843.2	864.1
40°	431.3	420.9	429.8	416.4	386.7	468.5	646.9	666.3	675.2
42.5°	306.4	288.5	297.4	287.0	272.2	352.5	508.6	526.5	529.4
45°	193.3	187.4	193.3	187.4	184.4	261.7	401.5	417.9	425.3
47.5°	117.5	110.1	110.1	107.1	110.1	193.3	331.6	355.4	367.3
50°	66.9	63.9	62.5	61.0	66.9	151.7	287.0	313.8	328.7
52.5°	44.6	43.1	43.1	41.6	49.1	127.9	258.8	282.6	297.4
55°	32.7	31.2	31.2	31.2	38.7	110.1	237.9	257.3	270.7
57.5°	25.3	25.3	25.3	23.8	32.7	93.7	212.7	223.1	233.5
60°	20.8	19.3	19.3	19.3	26.8	80.3	182.9	187.4	193.3
62.5°	16.4	16.4	16.4	16.4	22.3	71.4	157.6	157.6	160.6
65°	14.9	13.4	13.4	13.4	19.3	62.5	132.4	130.9	133.8
67.5°	11.9	11.9	11.9	11.9	16.4	53.5	108.6	107.1	110.1
70°	10.4	10.4	10.4	10.4	13.4	44.6	87.7	86.3	89.2
72.5°	8.9	8.9	8.9	8.9	11.9	37.2	69.9	69.9	71.4
75°	7.4	7.4	7.4	7.4	10.4	28.3	56.5	56.5	58.0
77.5°	5.9	5.9	5.9	5.9	7.4	22.3	43.1	41.6	41.6
80°	3.0	4.5	4.5	4.5	5.9	16.4	31.2	28.3	28.3
82.5°	1.5	3.0	3.0	3.0	5.9	11.9	20.8	19.3	19.3
85°	1.5	1.5	1.5	4.5	5.9	8.9	13.4	13.4	13.4
87.5°	0.0	1.5	3.0	5.9	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)