

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: P799613

Luminaire Tested: **LD6C35D010 EU6359030 6LBMDSWMW**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799613
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 EU6359030 6LBMDSWMW
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

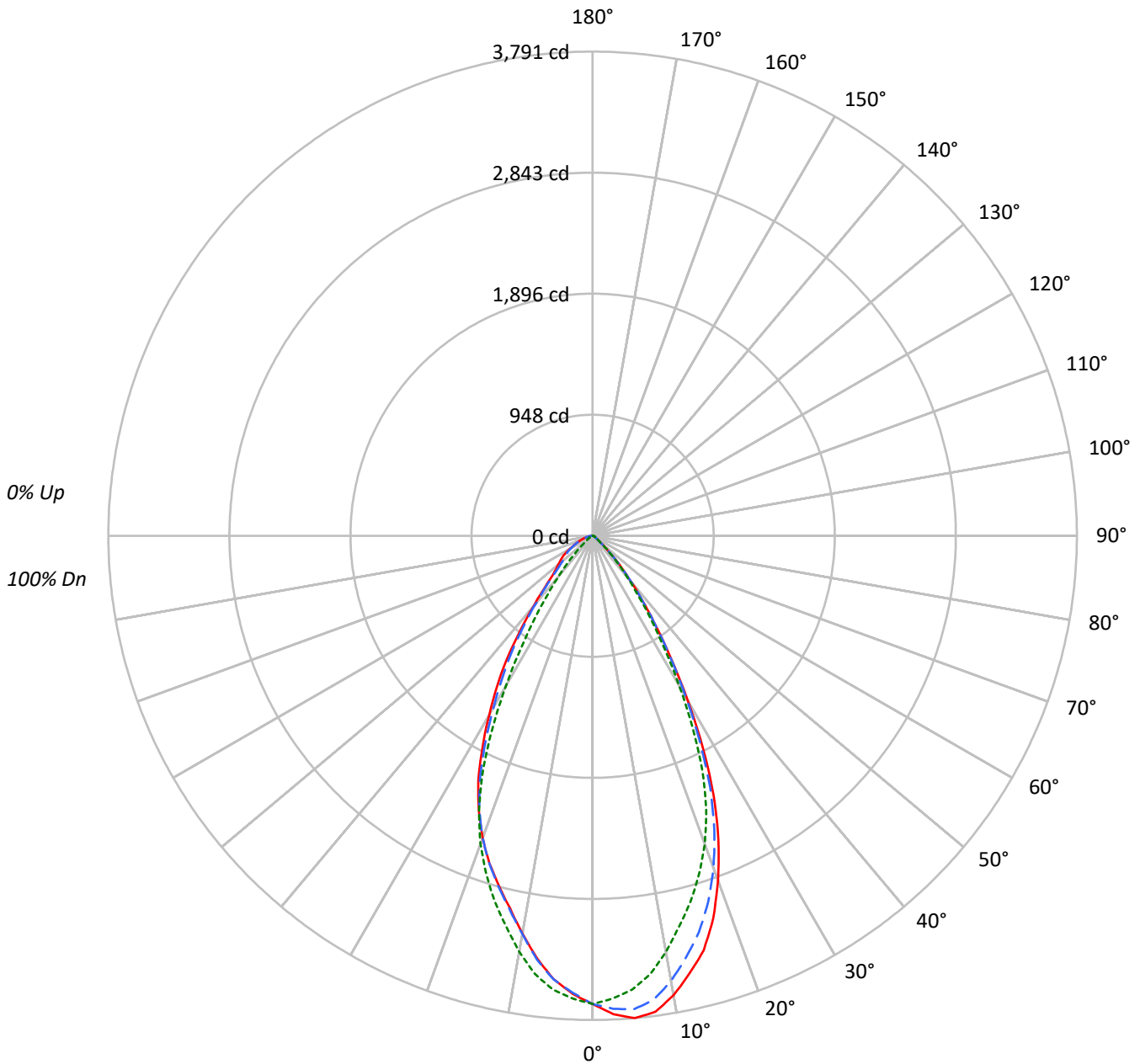
Lumens per Lamp: N/A
Luminaire Lumens: 3156.0 lumens
Efficiency: N/A
Efficacy: 78.1 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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									
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°	200954	200954	200954
5°	208595	196235	191800
10°	203258	184070	175971
15°	190631	168191	160920
20°	167350	149731	146873
25°	135353	123013	128082
30°	94097	85690	102503
35°	57996	52494	77363
40°	32819	29427	51375
45°	15940	15203	35066
50°	6072	6072	29807
55°	3326	3928	27507
60°	2423	3125	22542
65°	2050	2672	18459
70°	1779	2276	15211
75°	1673	2351	13069
80°	1010	1989	9471
85°	1006	3963	8932



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	335.6	10.6
10°-20°	843.4	26.7
20°-30°	949.5	30.1
30°-40°	587.9	18.6
40°-50°	234.1	7.4
50°-60°	106.6	3.4
60°-70°	61.3	1.9
70°-80°	29.1	0.9
80°-90°	8.5	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°	2128.5	67.4
0°-40°	2716.4	86.1
0°-60°	3057.1	96.9
0°-90°	3156.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3156.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3666	3666	3666	3666	3666	
5°	3791	3721	3566	3488	3485	357
15°	3359	3213	2964	2843	2835	929
25°	2238	2178	2034	2084	2118	1006
35°	867	862	784	1093	1156	557
45°	206	206	196	427	452	174
55°	35	33	41	253	288	35
65°	16	14	21	141	142	15
75°	8	8	11	60	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°	3665.7	3665.7	3665.7	3665.7	3665.7	3665.7	3665.7	3665.7	3665.7
2.5°	3749.5	3714.7	3706.8	3676.7	3626.1	3597.7	3580.3	3567.6	3589.7
5°	3790.6	3752.6	3721.0	3659.3	3566.0	3513.8	3488.5	3468.0	3485.4
7.5°	3760.5	3706.8	3664.1	3578.7	3460.1	3379.4	3344.6	3320.9	3336.7
10°	3651.4	3586.6	3537.6	3436.4	3306.7	3210.2	3167.5	3145.4	3161.2
12.5°	3509.1	3455.3	3381.0	3270.3	3131.1	3029.9	2998.3	2980.9	2987.2
15°	3358.9	3295.6	3213.4	3102.7	2963.5	2862.3	2843.3	2832.3	2835.4
17.5°	3140.6	3079.0	3007.8	2900.3	2772.2	2689.9	2689.9	2682.0	2686.8
20°	2868.6	2835.4	2765.8	2675.7	2566.6	2492.3	2516.0	2508.1	2517.6
22.5°	2574.5	2549.2	2489.1	2414.8	2323.1	2264.5	2316.7	2315.1	2327.8
25°	2237.7	2218.7	2177.6	2114.3	2033.7	1997.3	2084.3	2084.3	2117.5
27.5°	1866.0	1847.1	1818.6	1764.8	1698.4	1687.3	1815.4	1831.2	1867.6
30°	1486.5	1473.9	1458.0	1409.0	1353.7	1374.2	1551.3	1578.2	1619.3
32.5°	1148.1	1140.2	1135.4	1091.2	1042.1	1110.1	1312.6	1347.3	1388.5
35°	866.6	849.2	861.9	828.6	784.4	869.8	1092.7	1122.8	1156.0
37.5°	638.9	626.2	637.3	613.6	574.0	667.3	877.7	896.6	918.8
40°	458.6	447.5	457.0	442.8	411.2	498.1	687.9	708.5	717.9
42.5°	325.8	306.8	316.3	305.2	289.4	374.8	540.8	559.8	563.0
45°	205.6	199.3	205.6	199.3	196.1	278.3	427.0	444.4	452.3
47.5°	124.9	117.0	117.0	113.9	117.0	205.6	352.6	378.0	390.6
50°	71.2	68.0	66.4	64.8	71.2	161.3	305.2	333.7	349.5
52.5°	47.4	45.9	45.9	44.3	52.2	136.0	275.2	300.5	316.3
55°	34.8	33.2	33.2	33.2	41.1	117.0	253.0	273.6	287.8
57.5°	26.9	26.9	26.9	25.3	34.8	99.6	226.1	237.2	248.3
60°	22.1	20.6	20.6	20.6	28.5	85.4	194.5	199.3	205.6
62.5°	17.4	17.4	17.4	17.4	23.7	75.9	167.6	167.6	170.8
65°	15.8	14.2	14.2	14.2	20.6	66.4	140.7	139.2	142.3
67.5°	12.7	12.7	12.7	12.7	17.4	56.9	115.4	113.9	117.0
70°	11.1	11.1	11.1	11.1	14.2	47.4	93.3	91.7	94.9
72.5°	9.5	9.5	9.5	9.5	12.7	39.5	74.3	74.3	75.9
75°	7.9	7.9	7.9	7.9	11.1	30.0	60.1	60.1	61.7
77.5°	6.3	6.3	6.3	6.3	7.9	23.7	45.9	44.3	44.3
80°	3.2	4.7	4.7	4.7	6.3	17.4	33.2	30.0	30.0
82.5°	1.6	3.2	3.2	3.2	6.3	12.7	22.1	20.6	20.6
85°	1.6	1.6	1.6	4.7	6.3	9.5	14.2	14.2	14.2
87.5°	0.0	1.6	3.2	6.3	7.9	7.9	9.5	7.9	7.9
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)