

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: P799615

Luminaire Tested: **LD6C35D010 EU6359030 6LBMDSWWMH**

Issue Date: 4/12/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P799615  
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 6LBMDSWWMH  
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH WMH FINISH  
Light Source: -  
Ballast/Driver: -

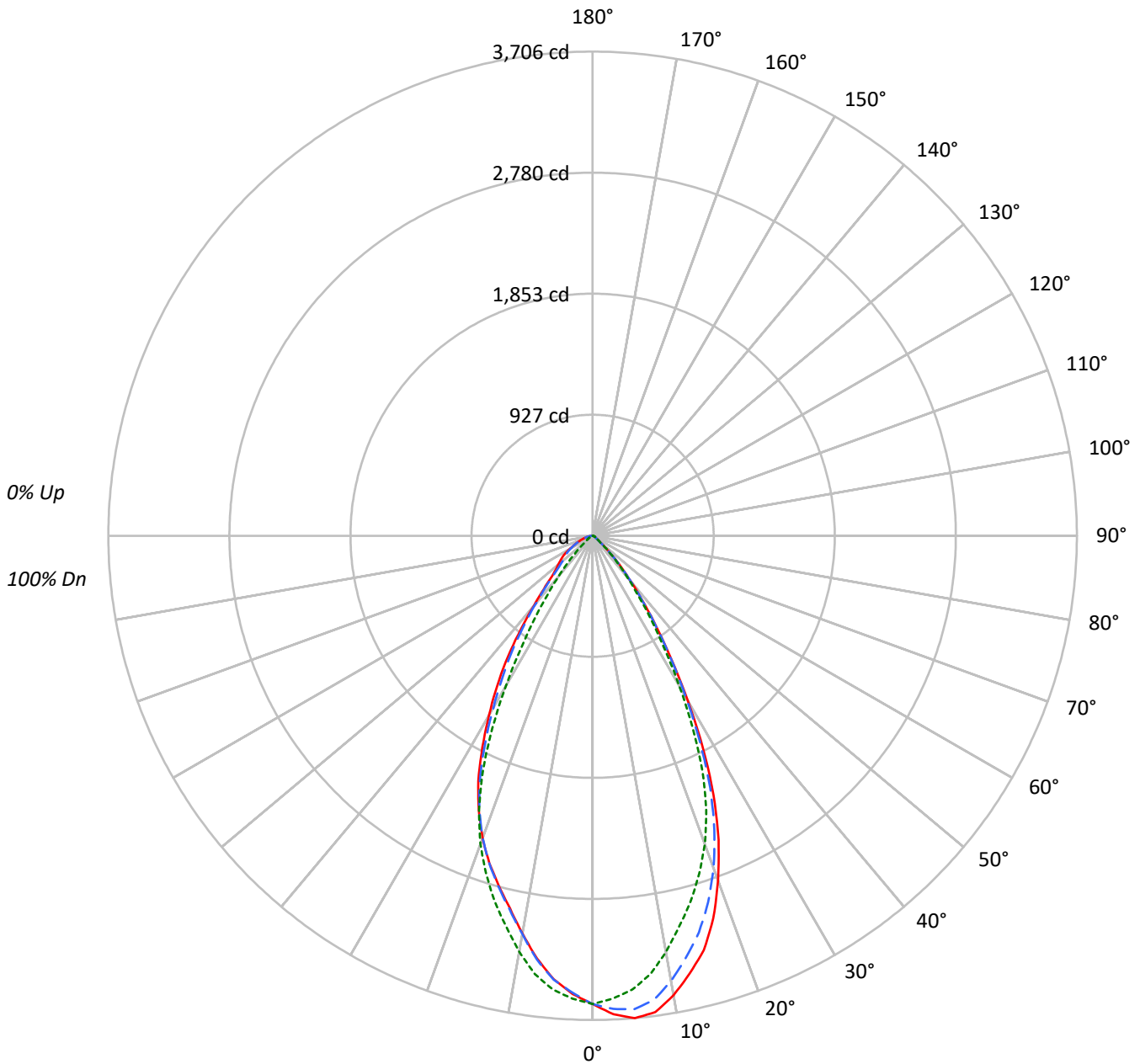
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3086.0 lumens  
Efficiency: N/A  
Efficacy: 76.4 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<sub>in</sub>): 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°	196492	196492	196492
5°	203967	191883	187546
10°	198749	179984	172069
15°	186403	164462	157351
20°	163639	146412	143612
25°	132346	120285	125239
30°	92008	83785	100231
35°	56711	51330	75650
40°	32089	28768	50237
45°	15583	14862	34283
50°	5936	5936	29142
55°	3250	3842	26895
60°	2368	3048	22038
65°	2011	2607	18056
70°	1731	2228	14874
75°	1631	2288	12772
80°	979	1957	9281
85°	943	3900	8743



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	328.1	10.6
10°-20°	824.7	26.7
20°-30°	928.4	30.1
30°-40°	574.9	18.6
40°-50°	228.9	7.4
50°-60°	104.2	3.4
60°-70°	59.9	1.9
70°-80°	28.5	0.9
80°-90°	8.3	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°	2081.3	67.4
0°-40°	2656.2	86.1
0°-60°	2989.3	96.9
0°-90°	3086.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3086.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	3584	3584	3584	3584	3584	
5°	3706	3638	3487	3411	3408	349
15°	3284	3142	2898	2780	2772	909
25°	2188	2129	1989	2038	2070	984
35°	847	843	767	1068	1130	545
45°	201	201	192	418	442	170
55°	34	32	40	247	281	34
65°	16	14	20	138	139	15
75°	8	8	11	59	60	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°	3584.3	3584.3	3584.3	3584.3	3584.3	3584.3	3584.3	3584.3	3584.3
2.5°	3666.3	3632.3	3624.6	3595.2	3545.7	3517.9	3500.8	3488.5	3510.1
5°	3706.5	3669.4	3638.5	3578.2	3486.9	3435.9	3411.2	3391.1	3408.1
7.5°	3677.1	3624.6	3582.8	3499.3	3383.3	3304.5	3270.4	3247.3	3262.7
10°	3570.4	3507.0	3459.1	3360.1	3233.3	3139.0	3097.3	3075.6	3091.1
12.5°	3431.3	3378.7	3306.0	3197.8	3061.7	2962.7	2931.8	2914.8	2921.0
15°	3284.4	3222.5	3142.1	3033.9	2897.8	2798.8	2780.3	2769.4	2772.5
17.5°	3071.0	3010.7	2941.1	2835.9	2710.7	2630.3	2630.3	2622.5	2627.2
20°	2805.0	2772.5	2704.5	2616.4	2509.7	2437.0	2460.2	2452.4	2461.7
22.5°	2517.4	2492.7	2433.9	2361.2	2271.5	2214.3	2265.3	2263.8	2276.2
25°	2188.0	2169.5	2129.3	2067.4	1988.6	1953.0	2038.0	2038.0	2070.5
27.5°	1824.6	1806.1	1778.3	1725.7	1660.7	1649.9	1775.2	1790.6	1826.2
30°	1453.5	1441.2	1425.7	1377.8	1323.6	1343.7	1516.9	1543.2	1583.4
32.5°	1122.6	1114.9	1110.3	1067.0	1019.0	1085.5	1283.4	1317.5	1357.7
35°	847.4	830.4	842.7	810.3	767.0	850.5	1068.5	1097.9	1130.4
37.5°	624.7	612.3	623.2	600.0	561.3	652.5	858.2	876.8	898.4
40°	448.4	437.6	446.9	433.0	402.0	487.1	672.6	692.7	702.0
42.5°	318.5	300.0	309.3	298.4	283.0	366.5	528.8	547.4	550.5
45°	201.0	194.8	201.0	194.8	191.7	272.2	417.5	434.5	442.2
47.5°	122.2	114.4	114.4	111.3	114.4	201.0	344.8	369.6	381.9
50°	69.6	66.5	64.9	63.4	69.6	157.7	298.4	326.3	341.7
52.5°	46.4	44.8	44.8	43.3	51.0	133.0	269.1	293.8	309.3
55°	34.0	32.5	32.5	32.5	40.2	114.4	247.4	267.5	281.4
57.5°	26.3	26.3	26.3	24.7	34.0	97.4	221.1	231.9	242.8
60°	21.6	20.1	20.1	20.1	27.8	83.5	190.2	194.8	201.0
62.5°	17.0	17.0	17.0	17.0	23.2	74.2	163.9	163.9	167.0
65°	15.5	13.9	13.9	13.9	20.1	64.9	137.6	136.1	139.2
67.5°	12.4	12.4	12.4	12.4	17.0	55.7	112.9	111.3	114.4
70°	10.8	10.8	10.8	10.8	13.9	46.4	91.2	89.7	92.8
72.5°	9.3	9.3	9.3	9.3	12.4	38.7	72.7	72.7	74.2
75°	7.7	7.7	7.7	7.7	10.8	29.4	58.8	58.8	60.3
77.5°	6.2	6.2	6.2	6.2	7.7	23.2	44.8	43.3	43.3
80°	3.1	4.6	4.6	4.6	6.2	17.0	32.5	29.4	29.4
82.5°	1.5	3.1	3.1	3.1	6.2	12.4	21.6	20.1	20.1
85°	1.5	1.5	1.5	4.6	6.2	9.3	13.9	13.9	13.9
87.5°	0.0	1.5	3.1	6.2	7.7	7.7	9.3	7.7	7.7
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)