

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: P799596

Luminaire Tested: **LD6C35D010 EU6359027 6LBMDDWWH**

Issue Date: 4/12/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P799596  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/12/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C35D010 EU6359027 6LBMDDWWH  
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH WH FINISH  
Light Source: -  
Ballast/Driver: -

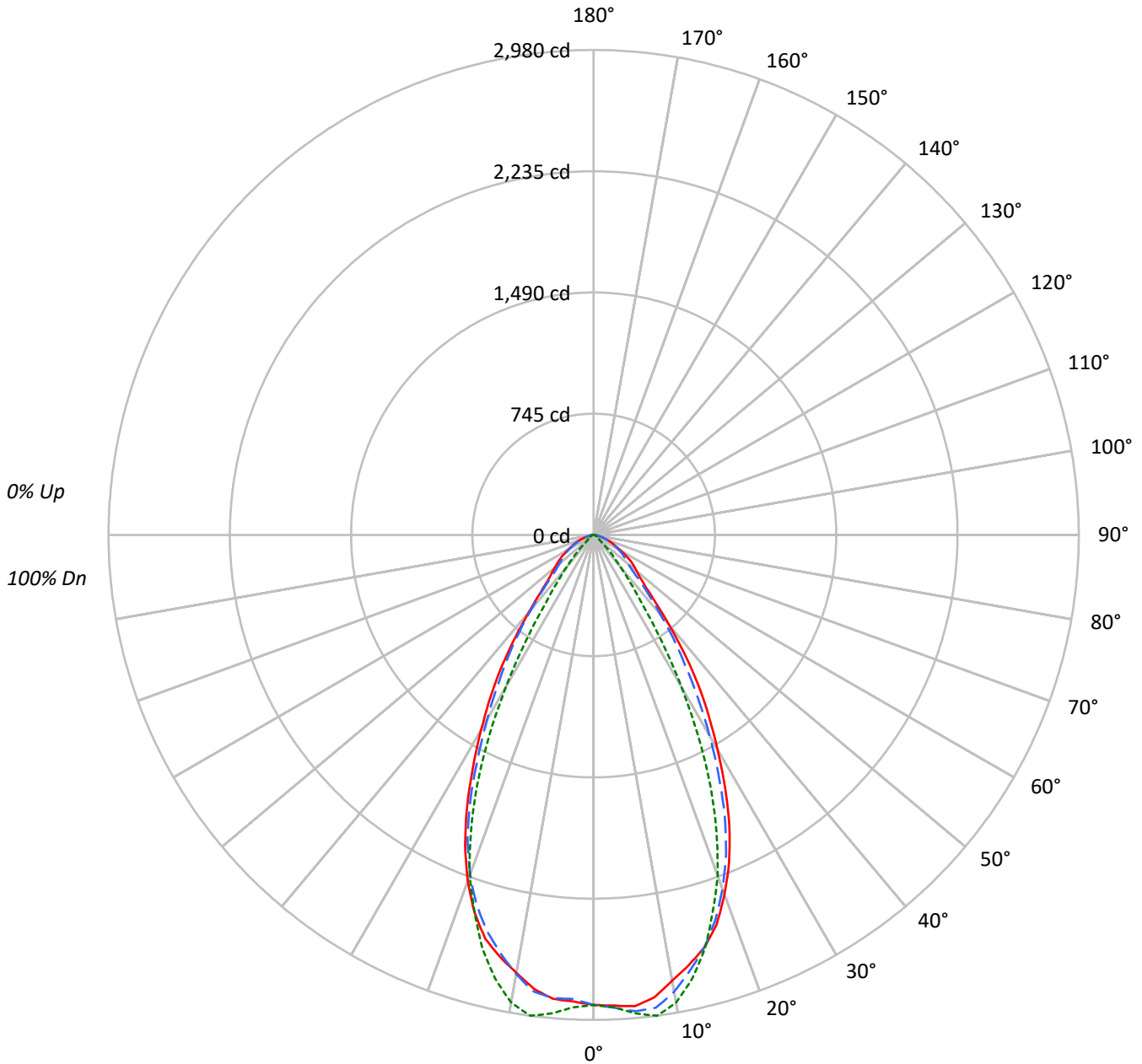
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2940.0 lumens  
Efficiency: N/A  
Efficacy: 72.8 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88  
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	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91					91			
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83					83			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76					76			
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70					70			
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64					64			
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59					59			
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55					55			
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51					51			
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48					48			
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45					45			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	158315	158315	158315
5°	159971	162392	157462
10°	154784	162388	152090
15°	148974	149558	145807
20°	137107	129914	131967
25°	119323	102441	111152
30°	96236	68061	87311
35°	74613	35094	65571
40°	51196	18184	44147
45°	35073	9109	30972
50°	29193	3880	26558
55°	26255	3374	23722
60°	20777	3223	19812
65°	17148	2854	16954
70°	13897	2597	13897
75°	10273	2796	10887
80°	6030	2305	6503
85°	4592	2768	4592



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	274.9	9.4
10°-20°	721.5	24.5
20°-30°	823.6	28.0
30°-40°	546.2	18.6
40°-50°	263.4	9.0
50°-60°	162.0	5.5
60°-70°	98.1	3.3
70°-80°	41.3	1.4
80°-90°	9.1	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°	1820.0	61.9
0°-40°	2366.1	80.5
0°-60°	2791.6	95.0
0°-90°	2940.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2940.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2888	2888	2888	2888	2888	
5°	2907	2938	2951	2857	2861	273
15°	2625	2625	2635	2524	2569	731
25°	1973	1907	1694	1792	1838	895
35°	1115	983	524	917	980	690
45°	452	397	118	370	400	369
55°	275	223	35	223	248	241
65°	132	126	22	119	131	133
75°	48	48	13	46	51	52
85°	7	10	4	7	7	9
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°	2887.9	2887.9	2887.9	2887.9	2887.9	2887.9	2887.9	2887.9	2887.9
2.5°	2895.2	2899.6	2908.4	2909.9	2905.5	2877.6	2854.1	2862.9	2870.2
5°	2907.0	2915.8	2937.8	2958.4	2951.0	2904.0	2857.0	2855.5	2861.4
7.5°	2864.4	2884.9	2930.5	2981.9	2980.4	2899.6	2830.6	2812.9	2812.9
10°	2780.6	2799.7	2849.7	2918.7	2917.2	2815.9	2739.5	2730.7	2732.2
12.5°	2705.7	2714.5	2739.5	2793.8	2793.8	2694.0	2635.2	2644.0	2655.8
15°	2624.9	2630.8	2624.9	2642.5	2635.2	2552.9	2523.6	2551.5	2569.1
17.5°	2510.3	2513.3	2482.4	2458.9	2431.0	2379.6	2387.0	2428.1	2432.5
20°	2350.2	2369.3	2313.5	2253.3	2226.9	2178.4	2219.5	2265.0	2262.1
22.5°	2174.0	2196.0	2124.0	2024.1	1969.8	1950.7	2024.1	2065.3	2063.8
25°	1972.7	1988.9	1906.6	1767.1	1693.6	1690.7	1792.1	1834.7	1837.6
27.5°	1746.5	1752.4	1659.9	1477.7	1386.6	1408.7	1536.5	1595.2	1602.6
30°	1520.3	1517.4	1421.9	1195.7	1075.2	1135.5	1307.3	1372.0	1379.3
32.5°	1313.2	1304.4	1195.7	925.4	781.5	871.1	1097.3	1164.8	1176.6
35°	1114.9	1100.2	982.7	684.5	524.4	658.1	916.6	975.3	979.8
37.5°	907.8	900.4	807.9	512.6	365.8	499.4	747.7	790.3	785.9
40°	715.4	715.4	639.0	380.4	254.1	371.6	592.0	630.2	616.9
42.5°	561.1	568.5	503.8	280.6	180.7	276.2	468.6	503.8	489.1
45°	452.4	452.4	396.6	208.6	117.5	205.6	370.2	402.5	399.5
47.5°	383.4	377.5	321.7	152.8	64.6	154.2	311.4	351.1	349.6
50°	342.3	333.4	276.2	120.4	45.5	127.8	273.2	309.9	311.4
52.5°	309.9	296.7	248.2	107.2	39.7	111.6	248.2	277.6	277.6
55°	274.7	267.3	223.3	95.5	35.3	99.9	223.3	249.7	248.2
57.5°	232.1	230.6	199.8	86.7	32.3	88.1	199.8	215.9	210.1
60°	189.5	195.4	173.3	77.9	29.4	79.3	170.4	183.6	180.7
62.5°	158.6	166.0	151.3	69.0	25.0	70.5	144.0	157.2	154.2
65°	132.2	138.1	126.3	58.8	22.0	58.8	119.0	130.7	130.7
67.5°	108.7	113.1	104.3	48.5	19.1	48.5	96.9	107.2	108.7
70°	86.7	89.6	82.3	38.2	16.2	39.7	76.4	86.7	86.7
72.5°	67.6	69.0	64.6	30.8	14.7	30.8	58.8	67.6	67.6
75°	48.5	51.4	48.5	23.5	13.2	23.5	45.5	49.9	51.4
77.5°	27.9	35.3	35.3	19.1	10.3	17.6	32.3	33.8	33.8
80°	19.1	22.0	25.0	13.2	7.3	13.2	20.6	22.0	20.6
82.5°	13.2	14.7	14.7	8.8	5.9	8.8	13.2	14.7	13.2
85°	7.3	10.3	10.3	7.3	4.4	5.9	7.3	8.8	7.3
87.5°	4.4	5.9	7.3	5.9	4.4	4.4	4.4	4.4	2.9
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)