

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: P799626

Luminaire Tested: **LD6C35D010 EU6359035 6LBMDSWWH**

Issue Date: 4/12/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P799626  
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 6LBMDSWWH  
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH WH FINISH  
Light Source: -  
Ballast/Driver: -

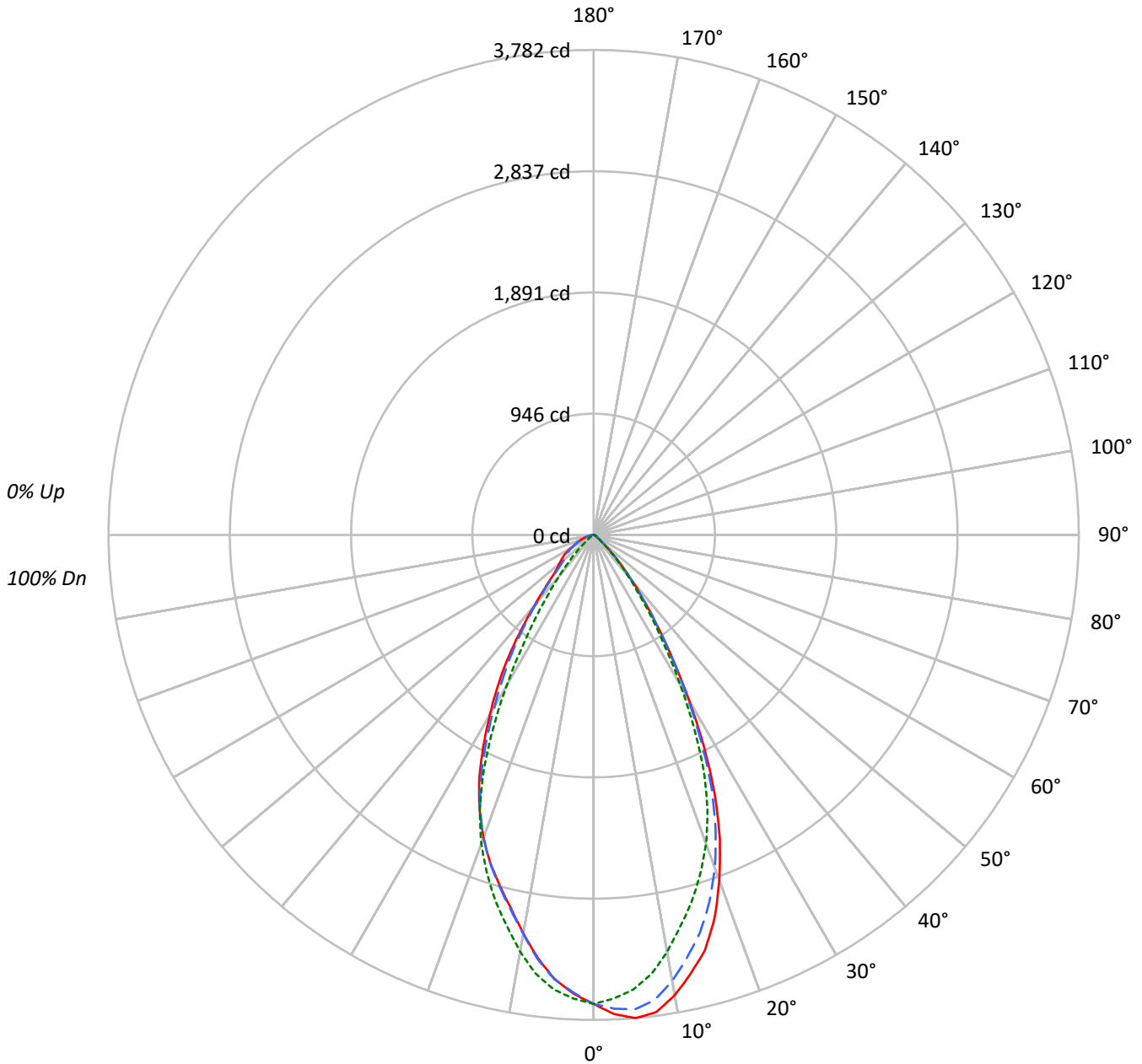
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3149.0 lumens  
Efficiency: N/A  
Efficacy: 77.9 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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92	92	92	92
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85	85	85	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78	78	78	78
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73	73	73	73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67	67	67	67
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63	63	63	63
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59	59	59	59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55	55	55	55
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52	52	52	52
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49	49	49	49

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

	0°	90°	180°
0°	200505	200505	200505
5°	208133	195801	191371
10°	202807	183658	175581
15°	190205	167816	160563
20°	166982	149399	146546
25°	135050	122741	127798
30°	93888	85500	102275
35°	57868	52374	77189
40°	32747	29355	51267
45°	15901	15172	34988
50°	6055	6055	29739
55°	3316	3919	27449
60°	2423	3114	22487
65°	2050	2659	18420
70°	1763	2276	15179
75°	1673	2330	13026
80°	1010	1989	9471
85°	1006	3963	8932



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	334.8	10.6
10°-20°	841.6	26.7
20°-30°	947.4	30.1
30°-40°	586.6	18.6
40°-50°	233.6	7.4
50°-60°	106.4	3.4
60°-70°	61.1	1.9
70°-80°	29.0	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°	2123.8	67.4
0°-40°	2710.4	86.1
0°-60°	3050.4	96.9
0°-90°	3149.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3149.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	3658	3658	3658	3658	3658	
5°	3782	3713	3558	3481	3478	356
15°	3351	3206	2957	2837	2829	927
25°	2233	2173	2029	2080	2113	1004
35°	865	860	783	1090	1153	556
45°	205	205	196	426	451	174
55°	35	33	41	252	287	34
65°	16	14	20	140	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°	3657.5	3657.5	3657.5	3657.5	3657.5	3657.5	3657.5	3657.5	3657.5
2.5°	3741.2	3706.4	3698.5	3668.6	3618.1	3589.7	3572.3	3559.7	3581.8
5°	3782.2	3744.3	3712.7	3651.2	3558.1	3506.0	3480.8	3460.3	3477.6
7.5°	3752.2	3698.5	3655.9	3570.7	3452.4	3371.9	3337.2	3313.5	3329.3
10°	3643.3	3578.6	3529.7	3428.7	3299.3	3203.1	3160.5	3138.4	3154.2
12.5°	3501.3	3447.7	3373.5	3263.1	3124.2	3023.2	2991.7	2974.3	2980.6
15°	3351.4	3288.3	3206.2	3095.8	2956.9	2856.0	2837.0	2826.0	2829.1
17.5°	3133.7	3072.1	3001.1	2893.8	2766.0	2684.0	2684.0	2676.1	2680.8
20°	2862.3	2829.1	2759.7	2669.8	2560.9	2486.7	2510.4	2502.5	2512.0
22.5°	2568.8	2543.5	2483.6	2409.4	2317.9	2259.5	2311.6	2310.0	2322.6
25°	2232.7	2213.8	2172.7	2109.6	2029.2	1992.9	2079.6	2079.6	2112.8
27.5°	1861.9	1843.0	1814.6	1760.9	1694.6	1683.6	1811.4	1827.2	1863.5
30°	1483.2	1470.6	1454.8	1405.9	1350.7	1371.2	1547.9	1574.7	1615.7
32.5°	1145.5	1137.7	1132.9	1088.7	1039.8	1107.7	1309.6	1344.4	1385.4
35°	864.7	847.3	859.9	826.8	782.6	867.8	1090.3	1120.3	1153.4
37.5°	637.5	624.8	635.9	612.2	572.8	665.9	875.7	894.7	916.7
40°	457.6	446.5	456.0	441.8	410.2	497.0	686.4	706.9	716.4
42.5°	325.0	306.1	315.6	304.5	288.8	374.0	539.6	558.6	561.7
45°	205.1	198.8	205.1	198.8	195.7	277.7	426.0	443.4	451.3
47.5°	124.7	116.8	116.8	113.6	116.8	205.1	351.9	377.1	389.7
50°	71.0	67.8	66.3	64.7	71.0	160.9	304.5	332.9	348.7
52.5°	47.3	45.8	45.8	44.2	52.1	135.7	274.6	299.8	315.6
55°	34.7	33.1	33.1	33.1	41.0	116.8	252.5	273.0	287.2
57.5°	26.8	26.8	26.8	25.2	34.7	99.4	225.6	236.7	247.7
60°	22.1	20.5	20.5	20.5	28.4	85.2	194.1	198.8	205.1
62.5°	17.4	17.4	17.4	17.4	23.7	75.7	167.3	167.3	170.4
65°	15.8	14.2	14.2	14.2	20.5	66.3	140.4	138.9	142.0
67.5°	12.6	12.6	12.6	12.6	17.4	56.8	115.2	113.6	116.8
70°	11.0	11.0	11.0	11.0	14.2	47.3	93.1	91.5	94.7
72.5°	9.5	9.5	9.5	9.5	12.6	39.4	74.2	74.2	75.7
75°	7.9	7.9	7.9	7.9	11.0	30.0	60.0	60.0	61.5
77.5°	6.3	6.3	6.3	6.3	7.9	23.7	45.8	44.2	44.2
80°	3.2	4.7	4.7	4.7	6.3	17.4	33.1	30.0	30.0
82.5°	1.6	3.2	3.2	3.2	6.3	12.6	22.1	20.5	20.5
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)