

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: P799639

Luminaire Tested: **LD6C35D010 EU6359040 6LBMDSWWMH**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799639  
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 EU6359040 6LBMDSWWMH  
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH WMH FINISH  
Light Source: -  
Ballast/Driver: -

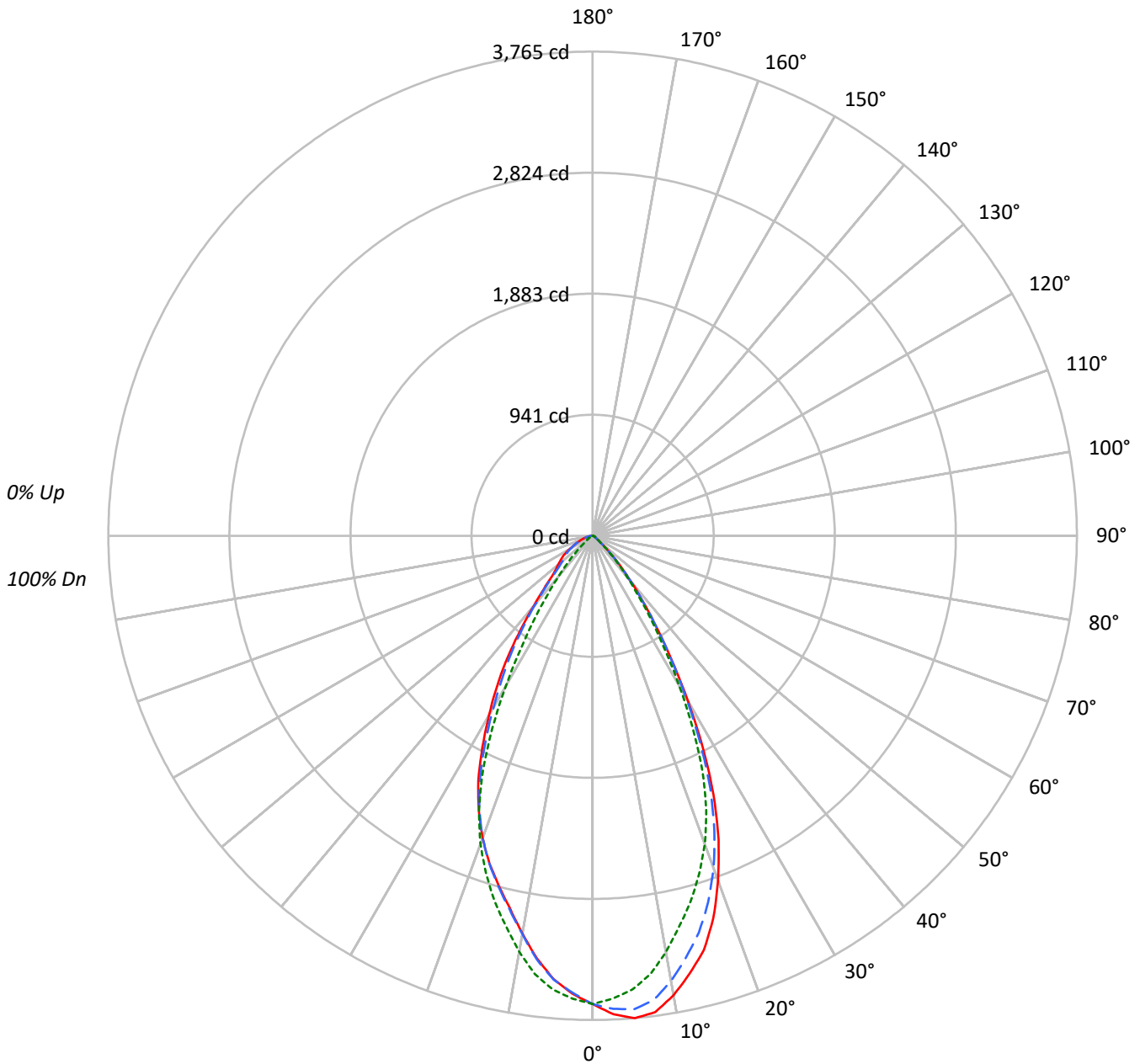
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3135.0 lumens  
Efficiency: N/A  
Efficacy: 77.6 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				
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°	199617	199617	199617
5°	207208	194931	190523
10°	201906	182846	174802
15°	189360	167072	159853
20°	166235	148734	145893
25°	134451	122191	127229
30°	93470	85121	101826
35°	57607	52140	76848
40°	32604	29226	51038
45°	15831	15102	34833
50°	6030	6030	29611
55°	3307	3900	27325
60°	2412	3103	22389
65°	2037	2646	18342
70°	1763	2260	15115
75°	1673	2330	12984
80°	979	1989	9408
85°	1006	3963	8869



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	333.3	10.6
10°-20°	837.8	26.7
20°-30°	943.2	30.1
30°-40°	584.0	18.6
40°-50°	232.6	7.4
50°-60°	105.9	3.4
60°-70°	60.9	1.9
70°-80°	28.9	0.9
80°-90°	8.4	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°	2114.3	67.4
0°-40°	2698.3	86.1
0°-60°	3036.8	96.9
0°-90°	3135.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3135.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	3641	3641	3641	3641	3641	
5°	3765	3696	3542	3465	3462	355
15°	3336	3192	2944	2824	2817	923
25°	2223	2163	2020	2070	2103	999
35°	861	856	779	1086	1148	553
45°	204	204	195	424	449	173
55°	35	33	41	251	286	34
65°	16	14	20	140	141	15
75°	8	8	11	60	61	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°	3641.3	3641.3	3641.3	3641.3	3641.3	3641.3	3641.3	3641.3	3641.3
2.5°	3724.5	3690.0	3682.1	3652.3	3602.0	3573.7	3556.4	3543.9	3565.9
5°	3765.4	3727.7	3696.2	3635.0	3542.3	3490.5	3465.3	3444.9	3462.2
7.5°	3735.5	3682.1	3639.7	3554.9	3437.1	3356.9	3322.4	3298.8	3314.5
10°	3627.1	3562.7	3514.0	3413.5	3284.7	3188.9	3146.4	3124.4	3140.2
12.5°	3485.7	3432.3	3358.5	3248.5	3110.3	3009.8	2978.4	2961.1	2967.4
15°	3336.5	3273.7	3192.0	3082.0	2943.8	2843.3	2824.4	2813.4	2816.6
17.5°	3119.7	3058.5	2987.8	2881.0	2753.7	2672.0	2672.0	2664.2	2668.9
20°	2849.5	2816.6	2747.4	2657.9	2549.5	2475.7	2499.2	2491.4	2500.8
22.5°	2557.4	2532.2	2472.5	2398.7	2307.6	2249.5	2301.3	2299.7	2312.3
25°	2222.8	2203.9	2163.1	2100.2	2020.1	1984.0	2070.4	2070.4	2103.4
27.5°	1853.6	1834.8	1806.5	1753.1	1687.1	1676.1	1803.4	1819.1	1855.2
30°	1476.6	1464.0	1448.3	1399.6	1344.7	1365.1	1541.0	1567.7	1608.6
32.5°	1140.4	1132.6	1127.9	1083.9	1035.2	1102.7	1303.8	1338.4	1379.2
35°	860.8	843.6	856.1	823.1	779.1	864.0	1085.5	1115.3	1148.3
37.5°	634.6	622.1	633.1	609.5	570.2	662.9	871.8	890.7	912.7
40°	455.6	444.6	454.0	439.8	408.4	494.8	683.3	703.7	713.2
42.5°	323.6	304.7	314.2	303.2	287.5	372.3	537.2	556.1	559.2
45°	204.2	197.9	204.2	197.9	194.8	276.5	424.1	441.4	449.3
47.5°	124.1	116.2	116.2	113.1	116.2	204.2	350.3	375.4	388.0
50°	70.7	67.5	66.0	64.4	70.7	160.2	303.2	331.5	347.2
52.5°	47.1	45.6	45.6	44.0	51.8	135.1	273.3	298.5	314.2
55°	34.6	33.0	33.0	33.0	40.8	116.2	251.3	271.8	285.9
57.5°	26.7	26.7	26.7	25.1	34.6	99.0	224.6	235.6	246.6
60°	22.0	20.4	20.4	20.4	28.3	84.8	193.2	197.9	204.2
62.5°	17.3	17.3	17.3	17.3	23.6	75.4	166.5	166.5	169.7
65°	15.7	14.1	14.1	14.1	20.4	66.0	139.8	138.2	141.4
67.5°	12.6	12.6	12.6	12.6	17.3	56.6	114.7	113.1	116.2
70°	11.0	11.0	11.0	11.0	14.1	47.1	92.7	91.1	94.3
72.5°	9.4	9.4	9.4	9.4	12.6	39.3	73.8	73.8	75.4
75°	7.9	7.9	7.9	7.9	11.0	29.8	59.7	59.7	61.3
77.5°	6.3	6.3	6.3	6.3	7.9	23.6	45.6	44.0	44.0
80°	3.1	4.7	4.7	4.7	6.3	17.3	33.0	29.8	29.8
82.5°	1.6	3.1	3.1	3.1	6.3	12.6	22.0	20.4	20.4
85°	1.6	1.6	1.6	4.7	6.3	9.4	14.1	14.1	14.1
87.5°	0.0	1.6	3.1	6.3	7.9	7.9	9.4	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)