

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: P799620

Luminaire Tested: **LD6C35D010 EU6359035 6LBMDDWWH**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799620  
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 EU6359035 6LBMDDWWH  
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH WH FINISH  
Light Source: -  
Ballast/Driver: -

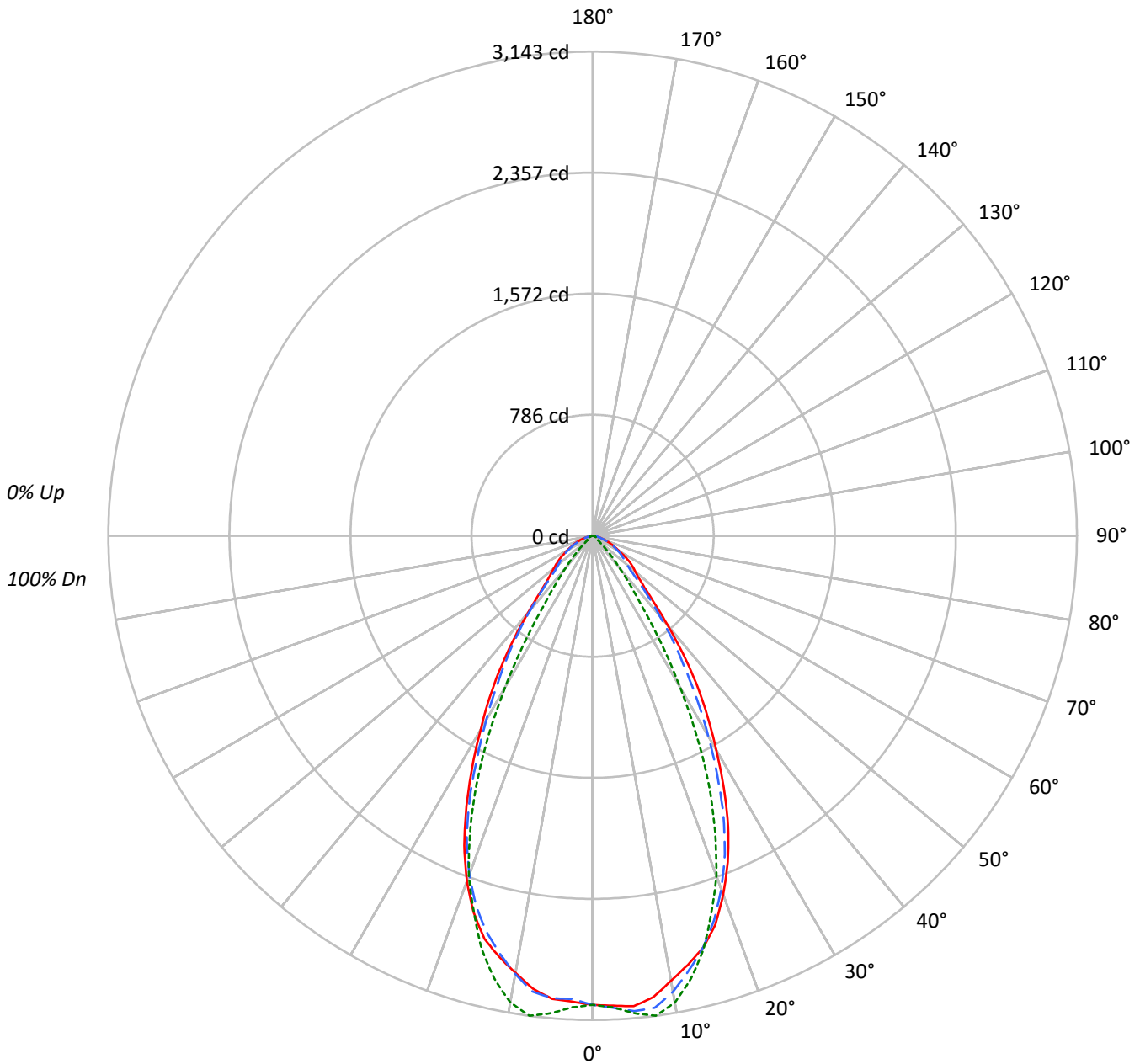
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3100.0 lumens  
Efficiency: N/A  
Efficacy: 76.7 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	0					
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100								
1	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91								
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83								
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76								
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70								
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64								
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59								
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55								
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51								
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48								
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45								

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

	0°	90°	180°
0°	166927	166927	166927
5°	168677	171230	166030
10°	163212	171228	160362
15°	157084	157697	153741
20°	144568	136979	139149
25°	125820	108018	117200
30°	101471	71771	92065
35°	78675	37002	69138
40°	53980	19172	46552
45°	36981	9606	32662
50°	30779	4094	28008
55°	27679	3555	25022
60°	21906	3399	20886
65°	18082	3009	17875
70°	14650	2725	14650
75°	10823	2944	11480
80°	6346	2431	6851
85°	4843	2893	4843



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	289.9	9.4
10°-20°	760.8	24.5
20°-30°	868.4	28.0
30°-40°	575.9	18.6
40°-50°	277.8	9.0
50°-60°	170.9	5.5
60°-70°	103.4	3.3
70°-80°	43.5	1.4
80°-90°	9.6	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°	1919.0	61.9
0°-40°	2494.9	80.5
0°-60°	2943.5	95.0
0°-90°	3100.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3100.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	3045	3045	3045	3045	3045	
5°	3065	3098	3112	3012	3017	288
15°	2768	2768	2779	2661	2709	771
25°	2080	2010	1786	1890	1938	943
35°	1176	1036	553	966	1033	727
45°	477	418	124	390	421	389
55°	290	235	37	235	262	255
65°	139	133	23	126	138	140
75°	51	51	14	48	54	55
85°	8	11	5	8	8	10
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°	3045.0	3045.0	3045.0	3045.0	3045.0	3045.0	3045.0	3045.0	3045.0
2.5°	3052.8	3057.4	3066.7	3068.3	3063.6	3034.2	3009.4	3018.7	3026.4
5°	3065.2	3074.4	3097.7	3119.4	3111.6	3062.1	3012.5	3010.9	3017.1
7.5°	3020.2	3041.9	3089.9	3144.1	3142.6	3057.4	2984.6	2966.0	2966.0
10°	2932.0	2952.1	3004.7	3077.5	3076.0	2969.1	2888.6	2879.3	2880.8
12.5°	2853.0	2862.3	2888.6	2945.9	2945.9	2840.6	2778.6	2787.9	2800.3
15°	2767.8	2774.0	2767.8	2786.4	2778.6	2691.9	2660.9	2690.3	2708.9
17.5°	2647.0	2650.1	2617.5	2592.8	2563.3	2509.1	2516.9	2560.2	2564.9
20°	2478.1	2498.3	2439.4	2375.9	2348.0	2296.9	2340.3	2388.3	2385.2
22.5°	2292.3	2315.5	2239.6	2134.3	2077.0	2056.9	2134.3	2177.7	2176.1
25°	2080.1	2097.1	2010.4	1863.3	1785.8	1782.7	1889.6	1934.5	1937.6
27.5°	1841.6	1847.8	1750.2	1558.1	1462.1	1485.3	1620.1	1682.0	1689.8
30°	1603.0	1600.0	1499.3	1260.8	1133.8	1197.3	1378.5	1446.6	1454.4
32.5°	1384.7	1375.4	1260.8	975.8	824.0	918.5	1157.0	1228.2	1240.6
35°	1175.6	1160.1	1036.2	721.8	552.9	693.9	966.5	1028.4	1033.1
37.5°	957.2	949.4	851.9	540.5	385.7	526.6	788.4	833.3	828.6
40°	754.3	754.3	673.7	401.1	267.9	391.9	624.2	664.5	650.5
42.5°	591.7	599.4	531.3	295.8	190.5	291.2	494.1	531.3	515.8
45°	477.0	477.0	418.2	219.9	123.9	216.8	390.3	424.4	421.3
47.5°	404.2	398.1	339.2	161.1	68.1	162.6	328.4	370.2	368.6
50°	360.9	351.6	291.2	127.0	48.0	134.7	288.1	326.8	328.4
52.5°	326.8	312.9	261.8	113.1	41.8	117.7	261.8	292.7	292.7
55°	289.6	281.9	235.4	100.7	37.2	105.3	235.4	263.3	261.8
57.5°	244.7	243.2	210.6	91.4	34.1	92.9	210.6	227.7	221.5
60°	199.8	206.0	182.8	82.1	31.0	83.6	179.7	193.6	190.5
62.5°	167.3	175.0	159.5	72.8	26.3	74.3	151.8	165.7	162.6
65°	139.4	145.6	133.2	62.0	23.2	62.0	125.5	137.8	137.8
67.5°	114.6	119.3	110.0	51.1	20.1	51.1	102.2	113.1	114.6
70°	91.4	94.5	86.7	40.3	17.0	41.8	80.5	91.4	91.4
72.5°	71.2	72.8	68.1	32.5	15.5	32.5	62.0	71.2	71.2
75°	51.1	54.2	51.1	24.8	13.9	24.8	48.0	52.7	54.2
77.5°	29.4	37.2	37.2	20.1	10.8	18.6	34.1	35.6	35.6
80°	20.1	23.2	26.3	13.9	7.7	13.9	21.7	23.2	21.7
82.5°	13.9	15.5	15.5	9.3	6.2	9.3	13.9	15.5	13.9
85°	7.7	10.8	10.8	7.7	4.6	6.2	7.7	9.3	7.7
87.5°	4.6	6.2	7.7	6.2	4.6	4.6	4.6	4.6	3.1
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)