

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: P799495

Luminaire Tested: **LD6C25D010 EU6259030 6LBMDSWWMH**

Issue Date: 4/12/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P799495  
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: LD6C25D010 EU6259030 6LBMDSWWMH  
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH WMH FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

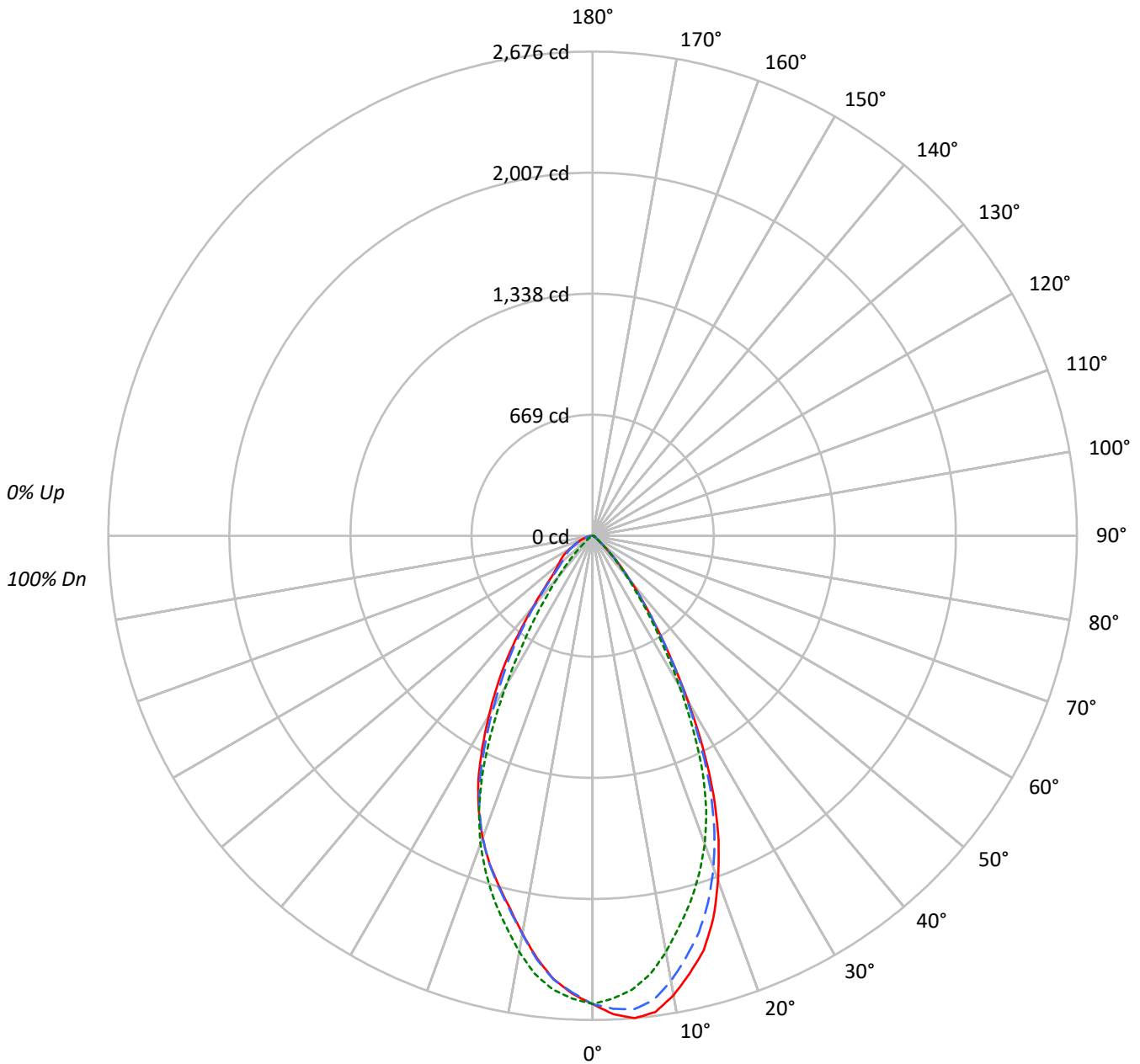
Lumens per Lamp: N/A  
Luminaire Lumens: 2228.0 lumens  
Efficiency: N/A  
Efficacy: 70.7 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 31.5  
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									
RC	80									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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92																			
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85																			
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78																			
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73																			
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67																			
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63																			
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59																			
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55																			
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52																			
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49																			

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

	0°	90°	180°
0°	141864	141864	141864
5°	147259	138537	135400
10°	143490	129946	124229
15°	134575	118735	113605
20°	118141	105703	103685
25°	95552	86842	90417
30°	66428	60490	72366
35°	40944	37055	54616
40°	23172	20775	36268
45°	11249	10730	24755
50°	4281	4281	21040
55°	2351	2772	19421
60°	1710	2204	15909
65°	1453	1881	13036
70°	1250	1603	10739
75°	1186	1652	9214
80°	695	1421	6693
85°	692	2830	6290



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	236.9	10.6
10°-20°	595.4	26.7
20°-30°	670.3	30.1
30°-40°	415.0	18.6
40°-50°	165.3	7.4
50°-60°	75.2	3.4
60°-70°	43.2	1.9
70°-80°	20.5	0.9
80°-90°	6.0	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°	1502.6	67.4
0°-40°	1917.7	86.1
0°-60°	2158.2	96.9
0°-90°	2228.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2228.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2588	2588	2588	2588	2588	
5°	2676	2627	2518	2463	2460	252
15°	2371	2268	2092	2007	2002	656
25°	1580	1537	1436	1471	1495	710
35°	612	608	554	771	816	393
45°	145	145	138	301	319	123
55°	25	23	29	179	203	24
65°	11	10	14	99	100	11
75°	6	6	8	42	44	6
85°	1	1	4	10	10	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°	2587.8	2587.8	2587.8	2587.8	2587.8	2587.8	2587.8	2587.8	2587.8
2.5°	2647.0	2622.4	2616.8	2595.6	2559.9	2539.8	2527.5	2518.6	2534.2
5°	2676.0	2649.2	2626.9	2583.3	2517.5	2480.6	2462.8	2448.2	2460.5
7.5°	2654.8	2616.8	2586.7	2526.4	2442.7	2385.7	2361.2	2344.4	2355.6
10°	2577.7	2532.0	2497.4	2425.9	2334.4	2266.3	2236.1	2220.5	2231.7
12.5°	2477.3	2439.3	2386.8	2308.7	2210.5	2139.0	2116.7	2104.4	2108.9
15°	2371.2	2326.6	2268.5	2190.4	2092.1	2020.7	2007.3	1999.5	2001.7
17.5°	2217.2	2173.6	2123.4	2047.5	1957.0	1899.0	1899.0	1893.4	1896.7
20°	2025.1	2001.7	1952.6	1888.9	1811.9	1759.4	1776.2	1770.6	1777.3
22.5°	1817.5	1799.6	1757.2	1704.7	1640.0	1598.7	1635.5	1634.4	1643.3
25°	1579.7	1566.3	1537.3	1492.6	1435.7	1410.0	1471.4	1471.4	1494.8
27.5°	1317.3	1303.9	1283.8	1245.9	1199.0	1191.2	1281.6	1292.8	1318.5
30°	1049.4	1040.5	1029.3	994.7	955.6	970.1	1095.2	1114.2	1143.2
32.5°	810.5	804.9	801.6	770.3	735.7	783.7	926.6	951.2	980.2
35°	611.8	599.5	608.4	585.0	553.7	614.0	771.4	792.6	816.1
37.5°	451.0	442.1	449.9	433.2	405.2	471.1	619.6	633.0	648.6
40°	323.8	315.9	322.6	312.6	290.3	351.7	485.6	500.1	506.8
42.5°	230.0	216.6	223.3	215.5	204.3	264.6	381.8	395.2	397.4
45°	145.1	140.7	145.1	140.7	138.4	196.5	301.4	313.7	319.3
47.5°	88.2	82.6	82.6	80.4	82.6	145.1	249.0	266.8	275.7
50°	50.2	48.0	46.9	45.8	50.2	113.9	215.5	235.6	246.7
52.5°	33.5	32.4	32.4	31.3	36.8	96.0	194.3	212.1	223.3
55°	24.6	23.4	23.4	23.4	29.0	82.6	178.6	193.1	203.2
57.5°	19.0	19.0	19.0	17.9	24.6	70.3	159.6	167.5	175.3
60°	15.6	14.5	14.5	14.5	20.1	60.3	137.3	140.7	145.1
62.5°	12.3	12.3	12.3	12.3	16.7	53.6	118.3	118.3	120.6
65°	11.2	10.0	10.0	10.0	14.5	46.9	99.4	98.2	100.5
67.5°	8.9	8.9	8.9	8.9	12.3	40.2	81.5	80.4	82.6
70°	7.8	7.8	7.8	7.8	10.0	33.5	65.9	64.8	67.0
72.5°	6.7	6.7	6.7	6.7	8.9	27.9	52.5	52.5	53.6
75°	5.6	5.6	5.6	5.6	7.8	21.2	42.4	42.4	43.5
77.5°	4.5	4.5	4.5	4.5	5.6	16.7	32.4	31.3	31.3
80°	2.2	3.3	3.3	3.3	4.5	12.3	23.4	21.2	21.2
82.5°	1.1	2.2	2.2	2.2	4.5	8.9	15.6	14.5	14.5
85°	1.1	1.1	1.1	3.3	4.5	6.7	10.0	10.0	10.0
87.5°	0.0	1.1	2.2	4.5	5.6	5.6	6.7	5.6	5.6
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)