

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: P799610

Luminaire Tested: **LD6C35D010 EU6359030 6LBMDSWGPH**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799610  
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 EU6359030 6LBMDSWGPH  
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH GPH FINISH  
Light Source: -  
Ballast/Driver: -

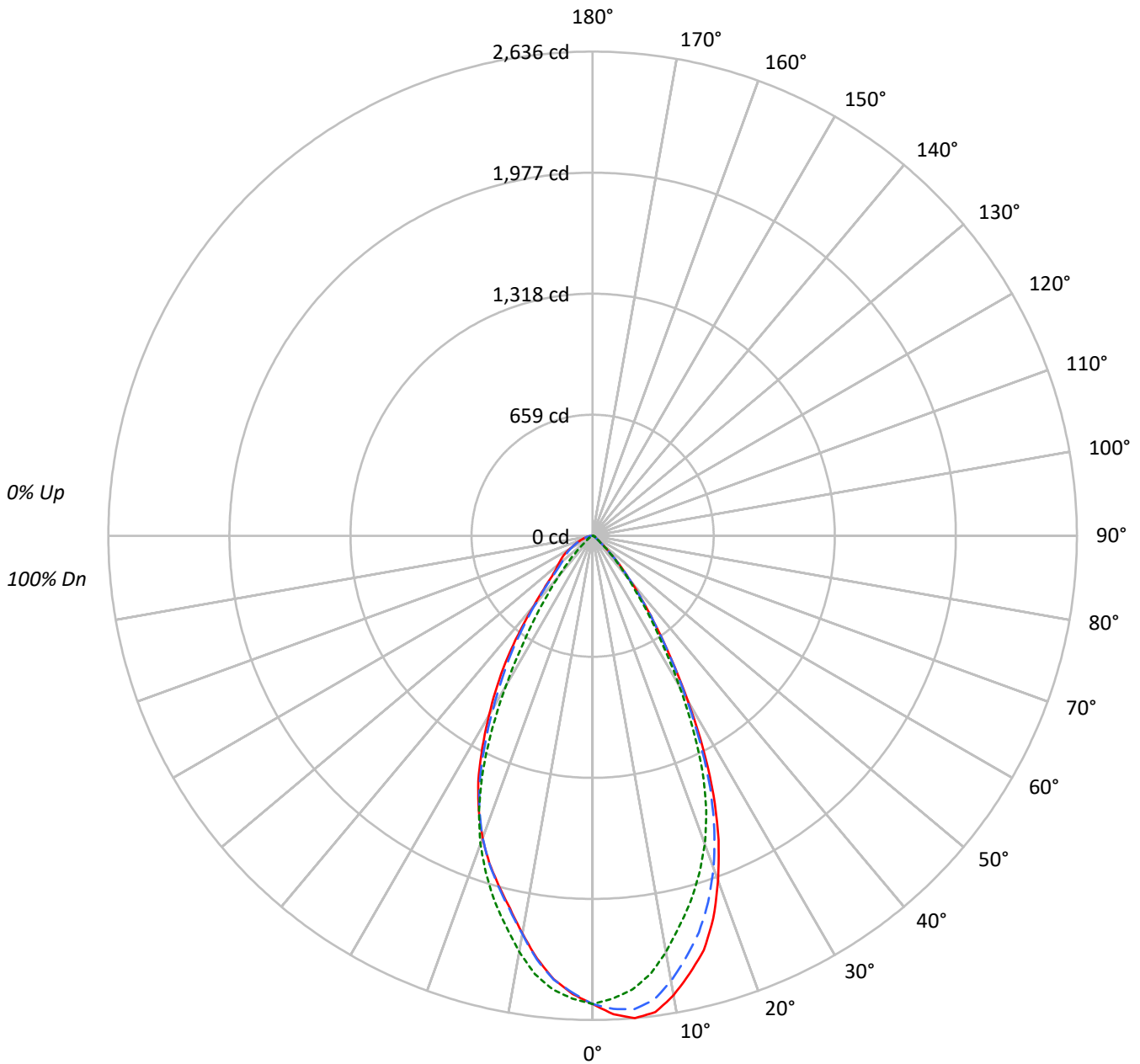
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2195.0 lumens  
Efficiency: N/A  
Efficacy: 54.3 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

TEST NUMBER: P799610

CATALOG NUMBER: LD6C35D010 EU6359030 6LBMDSWGPB

### 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	57	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°	139764	139764	139764
5°	145080	136484	133397
10°	141369	128020	122387
15°	132583	116976	111919
20°	116391	104140	102151
25°	94136	85553	89080
30°	65447	59598	71296
35°	40335	36507	53806
40°	22828	20467	35731
45°	11086	10575	24390
50°	4222	4222	20733
55°	2313	2733	19134
60°	1688	2171	15679
65°	1427	1855	12842
70°	1234	1587	10579
75°	1165	1631	9087
80°	695	1389	6598
85°	692	2768	6227



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	233.4	10.6
10°-20°	586.6	26.7
20°-30°	660.4	30.1
30°-40°	408.9	18.6
40°-50°	162.9	7.4
50°-60°	74.1	3.4
60°-70°	42.6	1.9
70°-80°	20.2	0.9
80°-90°	5.9	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°	1480.4	67.4
0°-40°	1889.3	86.1
0°-60°	2126.3	96.9
0°-90°	2195.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2195.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2550	2550	2550	2550	2550	
5°	2636	2588	2480	2426	2424	248
15°	2336	2235	2061	1978	1972	646
25°	1556	1514	1414	1450	1473	700
35°	603	599	546	760	804	387
45°	143	143	136	297	315	121
55°	24	23	29	176	200	24
65°	11	10	14	98	99	11
75°	6	6	8	42	43	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°	2549.5	2549.5	2549.5	2549.5	2549.5	2549.5	2549.5	2549.5	2549.5
2.5°	2607.8	2583.6	2578.1	2557.2	2522.0	2502.2	2490.1	2481.3	2496.7
5°	2636.4	2610.0	2588.0	2545.1	2480.2	2443.9	2426.3	2412.0	2424.1
7.5°	2615.5	2578.1	2548.4	2489.0	2406.5	2350.4	2326.2	2309.7	2320.7
10°	2539.6	2494.5	2460.4	2390.0	2299.8	2232.7	2203.0	2187.6	2198.6
12.5°	2440.6	2403.2	2351.5	2274.5	2177.7	2107.3	2085.3	2073.2	2077.6
15°	2336.1	2292.1	2234.9	2157.9	2061.1	1990.7	1977.5	1969.8	1972.0
17.5°	2184.3	2141.4	2091.9	2017.1	1928.0	1870.9	1870.9	1865.4	1868.7
20°	1995.1	1972.0	1923.6	1861.0	1785.1	1733.4	1749.9	1744.4	1751.0
22.5°	1790.6	1773.0	1731.2	1679.5	1615.7	1575.0	1611.3	1610.2	1619.0
25°	1556.3	1543.1	1514.5	1470.5	1414.4	1389.1	1449.6	1449.6	1472.7
27.5°	1297.8	1284.6	1264.8	1227.4	1181.2	1173.5	1262.6	1273.6	1298.9
30°	1033.9	1025.1	1014.1	980.0	941.5	955.8	1079.0	1097.7	1126.3
32.5°	798.5	793.0	789.7	758.9	724.8	772.1	912.9	937.1	965.7
35°	602.7	590.6	599.4	576.3	545.5	604.9	760.0	780.9	804.0
37.5°	444.3	435.5	443.2	426.7	399.2	464.1	610.4	623.6	639.0
40°	319.0	311.3	317.9	308.0	286.0	346.5	478.4	492.7	499.3
42.5°	226.6	213.4	220.0	212.3	201.3	260.7	376.2	389.3	391.5
45°	143.0	138.6	143.0	138.6	136.4	193.6	297.0	309.1	314.6
47.5°	86.9	81.4	81.4	79.2	81.4	143.0	245.3	262.9	271.7
50°	49.5	47.3	46.2	45.1	49.5	112.2	212.3	232.1	243.1
52.5°	33.0	31.9	31.9	30.8	36.3	94.6	191.4	209.0	220.0
55°	24.2	23.1	23.1	23.1	28.6	81.4	176.0	190.3	200.2
57.5°	18.7	18.7	18.7	17.6	24.2	69.3	157.3	165.0	172.7
60°	15.4	14.3	14.3	14.3	19.8	59.4	135.3	138.6	143.0
62.5°	12.1	12.1	12.1	12.1	16.5	52.8	116.6	116.6	118.8
65°	11.0	9.9	9.9	9.9	14.3	46.2	97.9	96.8	99.0
67.5°	8.8	8.8	8.8	8.8	12.1	39.6	80.3	79.2	81.4
70°	7.7	7.7	7.7	7.7	9.9	33.0	64.9	63.8	66.0
72.5°	6.6	6.6	6.6	6.6	8.8	27.5	51.7	51.7	52.8
75°	5.5	5.5	5.5	5.5	7.7	20.9	41.8	41.8	42.9
77.5°	4.4	4.4	4.4	4.4	5.5	16.5	31.9	30.8	30.8
80°	2.2	3.3	3.3	3.3	4.4	12.1	23.1	20.9	20.9
82.5°	1.1	2.2	2.2	2.2	4.4	8.8	15.4	14.3	14.3
85°	1.1	1.1	1.1	3.3	4.4	6.6	9.9	9.9	9.9
87.5°	0.0	1.1	2.2	4.4	5.5	5.5	6.6	5.5	5.5
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)