

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: P799599

Luminaire Tested: **LD6C35D010 EU6359027 6LBMDSWH**

Issue Date: 4/12/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P799599  
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 EU6359027 6LBMDSWH  
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

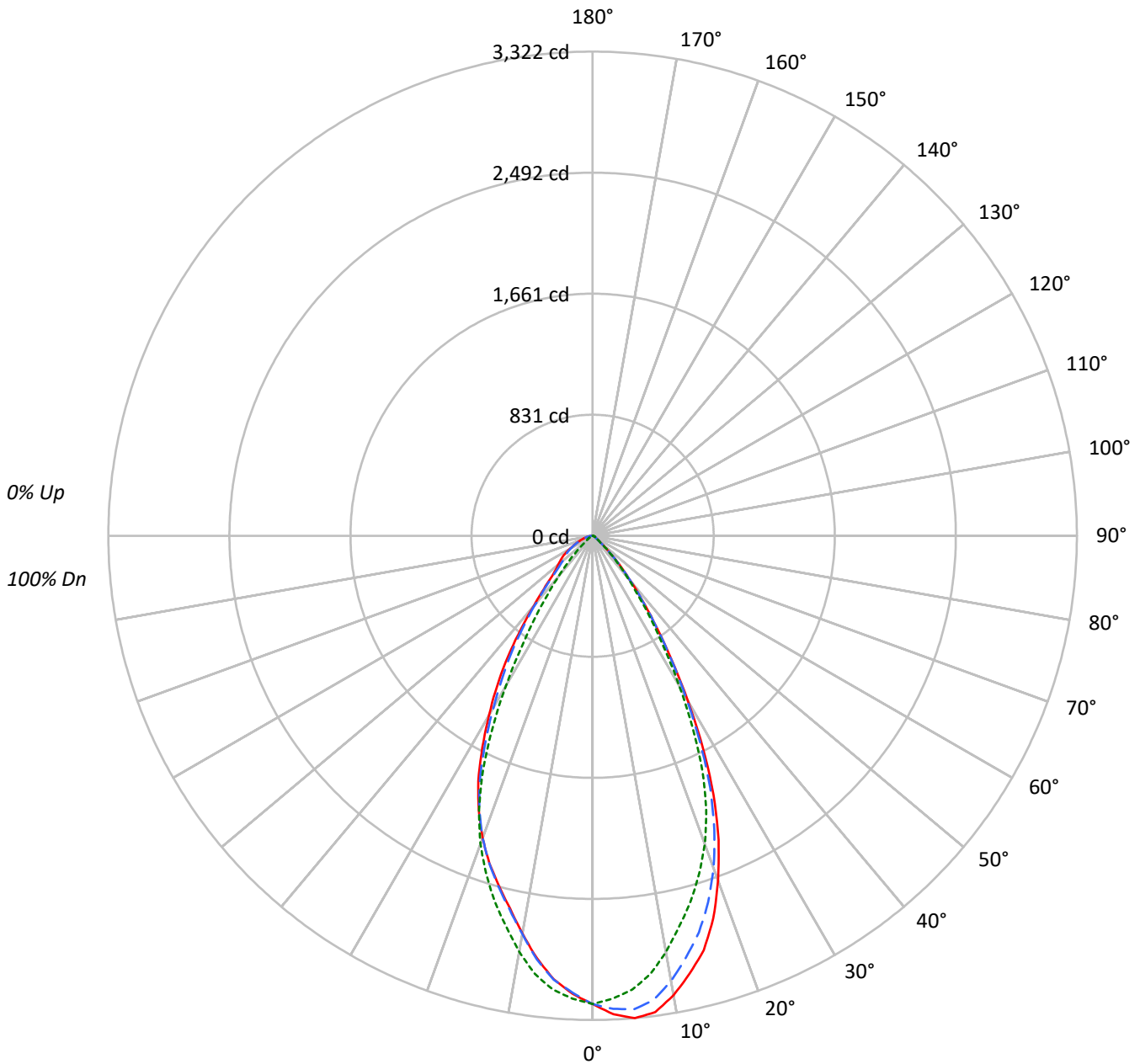
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2766.0 lumens  
Efficiency: N/A  
Efficacy: 68.5 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: P799599

CATALOG NUMBER: LD6C35D010 EU6359027 6LBMSWH

### Luminous Intensity Polar Plot





TEST NUMBER: P799599

CATALOG NUMBER: LD6C35D010 EU6359027 6LBMDSWH

**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°	176121	176121	176121
5°	182819	171989	168099
10°	178142	161325	154222
15°	167072	147407	141034
20°	146669	131226	128724
25°	118622	107813	112252
30°	82468	75100	89837
35°	50828	46003	67800
40°	28761	25791	45027
45°	13970	13327	30732
50°	5322	5322	26123
55°	2915	3441	24104
60°	2127	2730	19757
65°	1803	2335	16176
70°	1555	2004	13336
75°	1461	2055	11459
80°	884	1736	8303
85°	881	3459	7862



TEST NUMBER: P799599

CATALOG NUMBER: LD6C35D010 EU6359027 6LBMDSWH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	294.1	10.6
10°-20°	739.2	26.7
20°-30°	832.1	30.1
30°-40°	515.3	18.6
40°-50°	205.2	7.4
50°-60°	93.4	3.4
60°-70°	53.7	1.9
70°-80°	25.5	0.9
80°-90°	7.4	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°	1865.5	67.4
0°-40°	2380.7	86.1
0°-60°	2679.4	96.9
0°-90°	2766.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2766.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	3213	3213	3213	3213	3213	
5°	3322	3261	3125	3057	3055	313
15°	2944	2816	2597	2492	2485	814
25°	1961	1908	1782	1827	1856	882
35°	760	755	687	958	1013	488
45°	180	180	172	374	396	153
55°	30	29	36	222	252	30
65°	14	12	18	123	125	14
75°	7	7	10	53	54	7
85°	1	1	6	12	12	1
90°	0	0	0	0	0	



TEST NUMBER: P799599

CATALOG NUMBER: LD6C35D010 EU6359027 6LBMDSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	3212.7	3212.7	3212.7	3212.7	3212.7	3212.7	3212.7	3212.7	3212.7
2.5°	3286.1	3255.6	3248.7	3222.4	3178.0	3153.1	3137.8	3126.7	3146.1
5°	3322.2	3288.9	3261.2	3207.1	3125.4	3079.6	3057.4	3039.4	3054.7
7.5°	3295.8	3248.7	3211.3	3136.4	3032.5	2961.8	2931.3	2910.5	2924.4
10°	3200.2	3143.4	3100.4	3011.7	2898.1	2813.5	2776.1	2756.7	2770.5
12.5°	3075.5	3028.3	2963.2	2866.2	2744.2	2655.5	2627.8	2612.5	2618.1
15°	2943.8	2888.4	2816.3	2719.3	2597.3	2508.6	2492.0	2482.3	2485.0
17.5°	2752.5	2698.5	2636.1	2541.9	2429.6	2357.5	2357.5	2350.6	2354.8
20°	2514.1	2485.0	2424.1	2345.1	2249.4	2184.3	2205.1	2198.1	2206.5
22.5°	2256.4	2234.2	2181.5	2116.4	2036.0	1984.7	2030.4	2029.1	2040.1
25°	1961.1	1944.5	1908.5	1853.0	1782.4	1750.5	1826.7	1826.7	1855.8
27.5°	1635.4	1618.8	1593.9	1546.7	1488.5	1478.8	1591.1	1605.0	1636.8
30°	1302.8	1291.7	1277.9	1234.9	1186.4	1204.4	1359.6	1383.2	1419.2
32.5°	1006.2	999.3	995.1	956.3	913.4	972.9	1150.4	1180.8	1216.9
35°	759.5	744.3	755.4	726.2	687.4	762.3	957.7	984.0	1013.1
37.5°	559.9	548.8	558.5	537.8	503.1	584.9	769.2	785.8	805.2
40°	401.9	392.2	400.5	388.1	360.4	436.6	602.9	620.9	629.2
42.5°	285.5	268.9	277.2	267.5	253.6	328.5	474.0	490.6	493.4
45°	180.2	174.6	180.2	174.6	171.9	243.9	374.2	389.5	396.4
47.5°	109.5	102.6	102.6	99.8	102.6	180.2	309.1	331.2	342.3
50°	62.4	59.6	58.2	56.8	62.4	141.4	267.5	292.4	306.3
52.5°	41.6	40.2	40.2	38.8	45.7	119.2	241.2	263.3	277.2
55°	30.5	29.1	29.1	29.1	36.0	102.6	221.8	239.8	252.2
57.5°	23.6	23.6	23.6	22.2	30.5	87.3	198.2	207.9	217.6
60°	19.4	18.0	18.0	18.0	24.9	74.8	170.5	174.6	180.2
62.5°	15.2	15.2	15.2	15.2	20.8	66.5	146.9	146.9	149.7
65°	13.9	12.5	12.5	12.5	18.0	58.2	123.4	122.0	124.7
67.5°	11.1	11.1	11.1	11.1	15.2	49.9	101.2	99.8	102.6
70°	9.7	9.7	9.7	9.7	12.5	41.6	81.8	80.4	83.2
72.5°	8.3	8.3	8.3	8.3	11.1	34.6	65.1	65.1	66.5
75°	6.9	6.9	6.9	6.9	9.7	26.3	52.7	52.7	54.1
77.5°	5.5	5.5	5.5	5.5	6.9	20.8	40.2	38.8	38.8
80°	2.8	4.2	4.2	4.2	5.5	15.2	29.1	26.3	26.3
82.5°	1.4	2.8	2.8	2.8	5.5	11.1	19.4	18.0	18.0
85°	1.4	1.4	1.4	4.2	5.5	8.3	12.5	12.5	12.5
87.5°	0.0	1.4	2.8	5.5	6.9	6.9	8.3	6.9	6.9
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)