

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: P799866

Luminaire Tested: **LD6C55D010 EU6559035 6LBMDSWWH**

Issue Date: 4/12/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P799866  
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: LD6C55D010 EU6559035 6LBMDSWWH  
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH WH FINISH  
Light Source: -  
Ballast/Driver: -

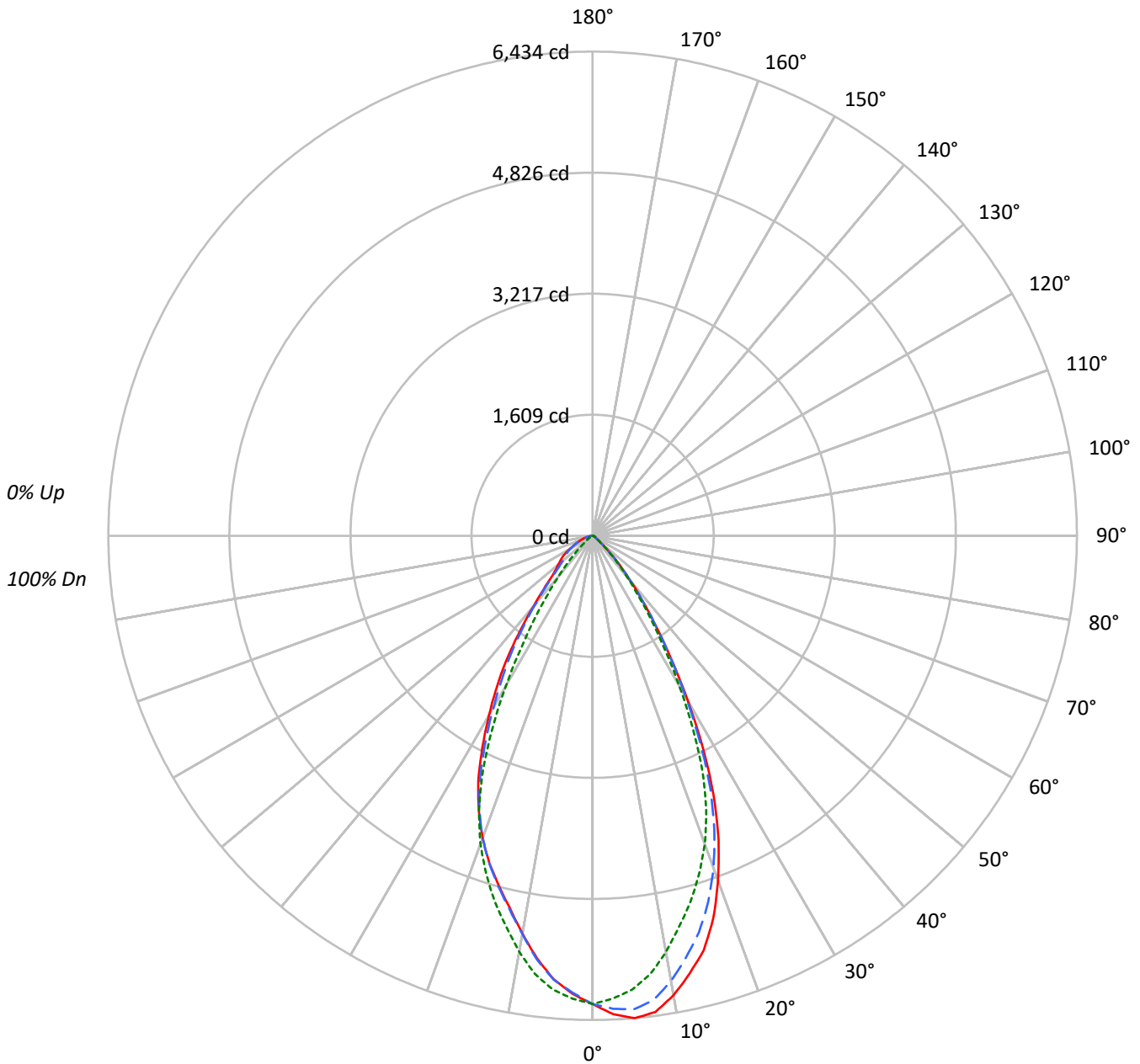
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5357.0 lumens  
Efficiency: N/A  
Efficacy: 83.8 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): 63.9  
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	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°	341097	341097	341097
5°	354066	333094	325560
10°	345011	312441	298692
15°	323572	285490	273151
20°	284061	254151	249298
25°	229743	208796	217404
30°	159721	145446	173995
35°	98444	89101	131316
40°	55704	49944	87206
45°	27057	25801	59518
50°	10302	10302	50591
55°	5649	6671	46689
60°	4122	5296	38264
65°	3476	4527	31339
70°	3013	3879	25822
75°	2838	3982	22176
80°	1705	3378	16101
85°	1698	6730	15222



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	569.6	10.6
10°-20°	1431.6	26.7
20°-30°	1611.6	30.1
30°-40°	997.9	18.6
40°-50°	397.4	7.4
50°-60°	180.9	3.4
60°-70°	104.0	1.9
70°-80°	49.4	0.9
80°-90°	14.4	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°	3612.9	67.4
0°-40°	4610.8	86.1
0°-60°	5189.2	96.9
0°-90°	5357.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5357.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	6222	6222	6222	6222	6222	
5°	6434	6316	6053	5922	5916	606
15°	5701	5454	5030	4826	4813	1577
25°	3798	3696	3452	3538	3594	1707
35°	1471	1463	1331	1855	1962	945
45°	349	349	333	725	768	296
55°	59	56	70	430	488	59
65°	27	24	35	239	242	26
75°	13	13	19	102	105	14
85°	3	3	11	24	24	2
90°	0	0	0	0	0	



TEST NUMBER: P799866

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	6222.1	6222.1	6222.1	6222.1	6222.1	6222.1	6222.1	6222.1	6222.1
2.5°	6364.4	6305.3	6291.9	6240.9	6155.0	6106.7	6077.1	6055.7	6093.2
5°	6434.1	6369.7	6316.0	6211.4	6053.0	5964.4	5921.5	5886.6	5916.1
7.5°	6383.1	6291.9	6219.4	6074.5	5873.1	5736.2	5677.2	5636.9	5663.8
10°	6197.9	6087.9	6004.7	5832.9	5612.8	5449.0	5376.5	5339.0	5365.8
12.5°	5956.3	5865.1	5738.9	5551.0	5314.8	5143.0	5089.3	5059.8	5070.5
15°	5701.3	5594.0	5454.4	5266.5	5030.3	4858.5	4826.3	4807.5	4812.9
17.5°	5330.9	5226.2	5105.4	4922.9	4705.5	4565.9	4565.9	4552.5	4560.5
20°	4869.2	4812.9	4694.8	4541.7	4356.5	4230.4	4270.6	4257.2	4273.3
22.5°	4370.0	4327.0	4225.0	4098.8	3943.2	3843.8	3932.4	3929.7	3951.2
25°	3798.2	3766.0	3696.2	3588.8	3451.9	3390.2	3537.8	3537.8	3594.2
27.5°	3167.4	3135.2	3086.9	2995.6	2882.9	2864.1	3081.5	3108.4	3170.1
30°	2523.2	2501.7	2474.9	2391.7	2297.7	2332.6	2633.2	2678.9	2748.7
32.5°	1948.8	1935.3	1927.3	1852.1	1768.9	1884.3	2227.9	2287.0	2356.8
35°	1471.0	1441.4	1462.9	1406.5	1331.4	1476.3	1854.8	1905.8	1962.2
37.5°	1084.4	1063.0	1081.8	1041.5	974.4	1132.8	1489.8	1522.0	1559.5
40°	778.4	759.6	775.7	751.6	697.9	845.5	1167.6	1202.5	1218.6
42.5°	553.0	520.7	536.8	518.1	491.2	636.2	918.0	950.2	955.6
45°	349.0	338.2	349.0	338.2	332.8	472.4	724.7	754.3	767.7
47.5°	212.1	198.6	198.6	193.3	198.6	349.0	598.6	641.5	663.0
50°	120.8	115.4	112.7	110.1	120.8	273.8	518.1	566.4	593.2
52.5°	80.5	77.8	77.8	75.2	88.6	230.8	467.1	510.0	536.8
55°	59.1	56.4	56.4	56.4	69.8	198.6	429.5	464.4	488.5
57.5°	45.6	45.6	45.6	42.9	59.1	169.1	383.8	402.6	421.4
60°	37.6	34.9	34.9	34.9	48.3	144.9	330.2	338.2	349.0
62.5°	29.5	29.5	29.5	29.5	40.3	128.8	284.5	284.5	289.9
65°	26.8	24.2	24.2	24.2	34.9	112.7	238.9	236.2	241.6
67.5°	21.5	21.5	21.5	21.5	29.5	96.6	196.0	193.3	198.6
70°	18.8	18.8	18.8	18.8	24.2	80.5	158.4	155.7	161.1
72.5°	16.1	16.1	16.1	16.1	21.5	67.1	126.2	126.2	128.8
75°	13.4	13.4	13.4	13.4	18.8	51.0	102.0	102.0	104.7
77.5°	10.7	10.7	10.7	10.7	13.4	40.3	77.8	75.2	75.2
80°	5.4	8.1	8.1	8.1	10.7	29.5	56.4	51.0	51.0
82.5°	2.7	5.4	5.4	5.4	10.7	21.5	37.6	34.9	34.9
85°	2.7	2.7	2.7	8.1	10.7	16.1	24.2	24.2	24.2
87.5°	0.0	2.7	5.4	10.7	13.4	13.4	16.1	13.4	13.4
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)