

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: P799380

Luminaire Tested: **LD6C15D010 EU6159035 6LBMDDWWH**

Issue Date: 4/12/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P799380  
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: LD6C15D010 EU6159035 6LBMDDWWH  
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH WH FINISH  
Light Source: -  
Ballast/Driver: -

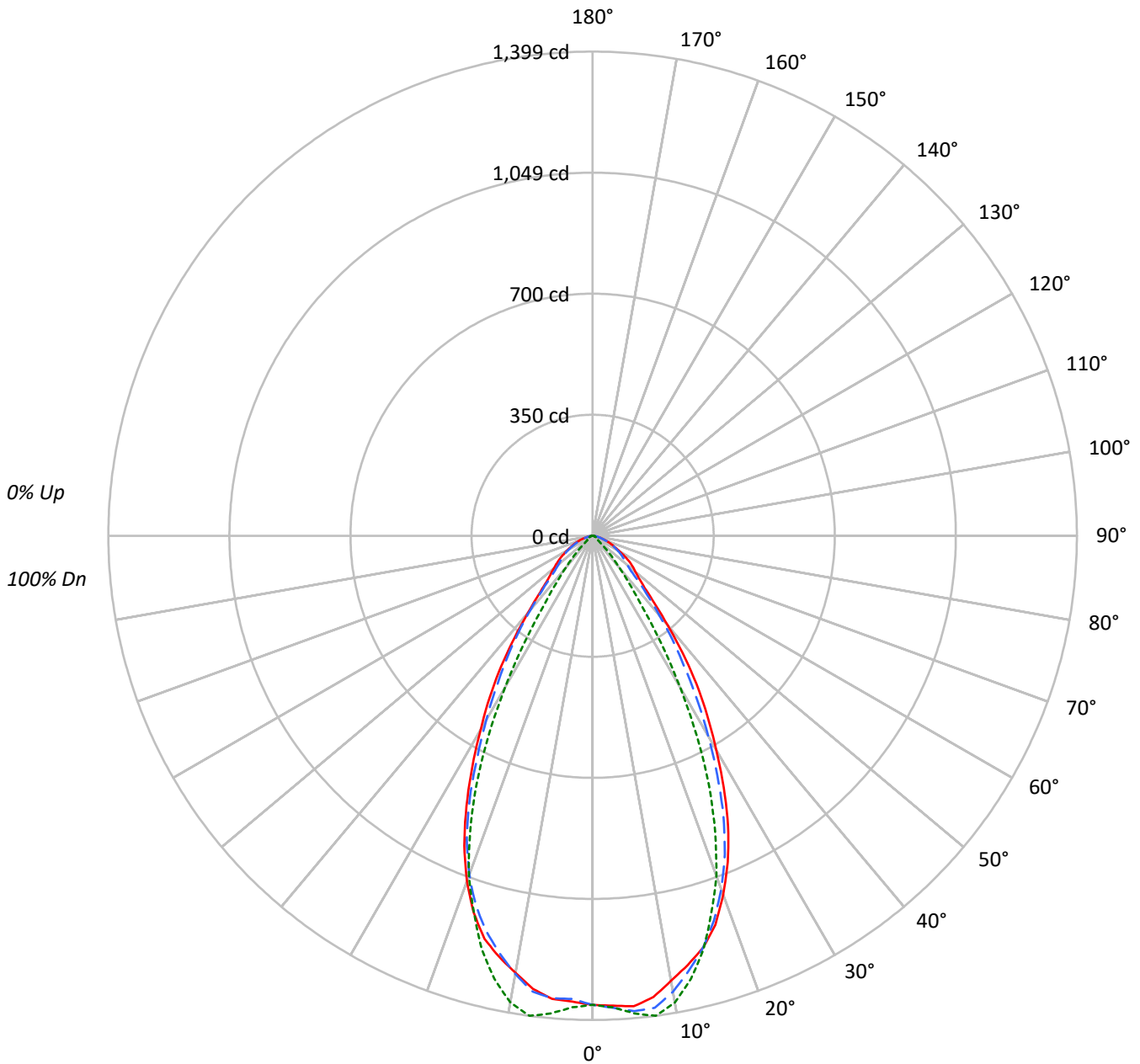
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1380.0 lumens  
Efficiency: N/A  
Efficacy: 87.3 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): 15.8  
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	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91					91			
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83					83			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76					76			
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70					70			
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64					64			
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59					59			
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55					55			
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51					51			
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48					48			
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45					45			

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

	0°	90°	180°
0°	74309	74309	74309
5°	75088	76227	73910
10°	72655	76223	71386
15°	69927	70199	68440
20°	64359	60981	61944
25°	56011	48087	52170
30°	45172	31948	40981
35°	35021	16470	30778
40°	24031	8537	20725
45°	16467	4280	14536
50°	13697	1825	12469
55°	12320	1577	11135
60°	9747	1513	9298
65°	8055	1336	7965
70°	6524	1218	6524
75°	4829	1313	5105
80°	2841	1073	3062
85°	2139	1321	2139



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	129.0	9.4
10°-20°	338.7	24.5
20°-30°	386.6	28.0
30°-40°	256.4	18.6
40°-50°	123.6	9.0
50°-60°	76.1	5.5
60°-70°	46.0	3.3
70°-80°	19.4	1.4
80°-90°	4.3	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°	854.3	61.9
0°-40°	1110.6	80.5
0°-60°	1310.3	95.0
0°-90°	1380.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1380.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1356	1356	1356	1356	1356	
5°	1364	1379	1385	1341	1343	128
15°	1232	1232	1237	1184	1206	343
25°	926	895	795	841	862	420
35°	523	461	246	430	460	324
45°	212	186	55	174	188	173
55°	129	105	16	105	116	113
65°	62	59	10	56	61	62
75°	23	23	6	21	24	24
85°	3	5	2	3	3	4
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°	1355.5	1355.5	1355.5	1355.5	1355.5	1355.5	1355.5	1355.5	1355.5
2.5°	1359.0	1361.0	1365.2	1365.9	1363.8	1350.7	1339.7	1343.8	1347.3
5°	1364.5	1368.6	1379.0	1388.6	1385.2	1363.1	1341.0	1340.4	1343.1
7.5°	1344.5	1354.1	1375.5	1399.7	1399.0	1361.0	1328.6	1320.4	1320.4
10°	1305.2	1314.2	1337.6	1370.0	1369.3	1321.7	1285.9	1281.7	1282.4
12.5°	1270.0	1274.2	1285.9	1311.4	1311.4	1264.5	1236.9	1241.1	1246.6
15°	1232.1	1234.9	1232.1	1240.4	1236.9	1198.3	1184.5	1197.6	1205.9
17.5°	1178.3	1179.7	1165.2	1154.2	1141.1	1117.0	1120.4	1139.7	1141.8
20°	1103.2	1112.1	1085.9	1057.7	1045.3	1022.5	1041.8	1063.2	1061.8
22.5°	1020.4	1030.8	997.0	950.1	924.6	915.6	950.1	969.4	968.7
25°	926.0	933.6	894.9	829.4	795.0	793.6	841.2	861.2	862.5
27.5°	819.8	822.6	779.1	693.6	650.9	661.2	721.2	748.8	752.2
30°	713.6	712.2	667.4	561.2	504.7	533.0	613.6	644.0	647.4
32.5°	616.4	612.3	561.2	434.4	366.8	408.9	515.0	546.8	552.3
35°	523.3	516.4	461.3	321.3	246.1	308.9	430.2	457.8	459.9
37.5°	426.1	422.7	379.2	240.6	171.7	234.4	350.9	370.9	368.9
40°	335.8	335.8	299.9	178.6	119.3	174.4	277.9	295.8	289.6
42.5°	263.4	266.8	236.5	131.7	84.8	129.6	219.9	236.5	229.6
45°	212.4	212.4	186.2	97.9	55.2	96.5	173.7	188.9	187.5
47.5°	180.0	177.2	151.0	71.7	30.3	72.4	146.2	164.8	164.1
50°	160.6	156.5	129.6	56.5	21.4	60.0	128.2	145.5	146.2
52.5°	145.5	139.3	116.5	50.3	18.6	52.4	116.5	130.3	130.3
55°	128.9	125.5	104.8	44.8	16.5	46.9	104.8	117.2	116.5
57.5°	108.9	108.2	93.8	40.7	15.2	41.4	93.8	101.4	98.6
60°	88.9	91.7	81.4	36.5	13.8	37.2	80.0	86.2	84.8
62.5°	74.5	77.9	71.0	32.4	11.7	33.1	67.6	73.8	72.4
65°	62.1	64.8	59.3	27.6	10.3	27.6	55.8	61.4	61.4
67.5°	51.0	53.1	49.0	22.8	9.0	22.8	45.5	50.3	51.0
70°	40.7	42.1	38.6	17.9	7.6	18.6	35.9	40.7	40.7
72.5°	31.7	32.4	30.3	14.5	6.9	14.5	27.6	31.7	31.7
75°	22.8	24.1	22.8	11.0	6.2	11.0	21.4	23.4	24.1
77.5°	13.1	16.5	16.5	9.0	4.8	8.3	15.2	15.9	15.9
80°	9.0	10.3	11.7	6.2	3.4	6.2	9.7	10.3	9.7
82.5°	6.2	6.9	6.9	4.1	2.8	4.1	6.2	6.9	6.2
85°	3.4	4.8	4.8	3.4	2.1	2.8	3.4	4.1	3.4
87.5°	2.1	2.8	3.4	2.8	2.1	2.1	2.1	2.1	1.4
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)