

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: P799407

Luminaire Tested: **LD6C15D010 EU6159050 6LBMDSWH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799407
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: LD6C15D010 EU6159050 6LBMDSWH
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

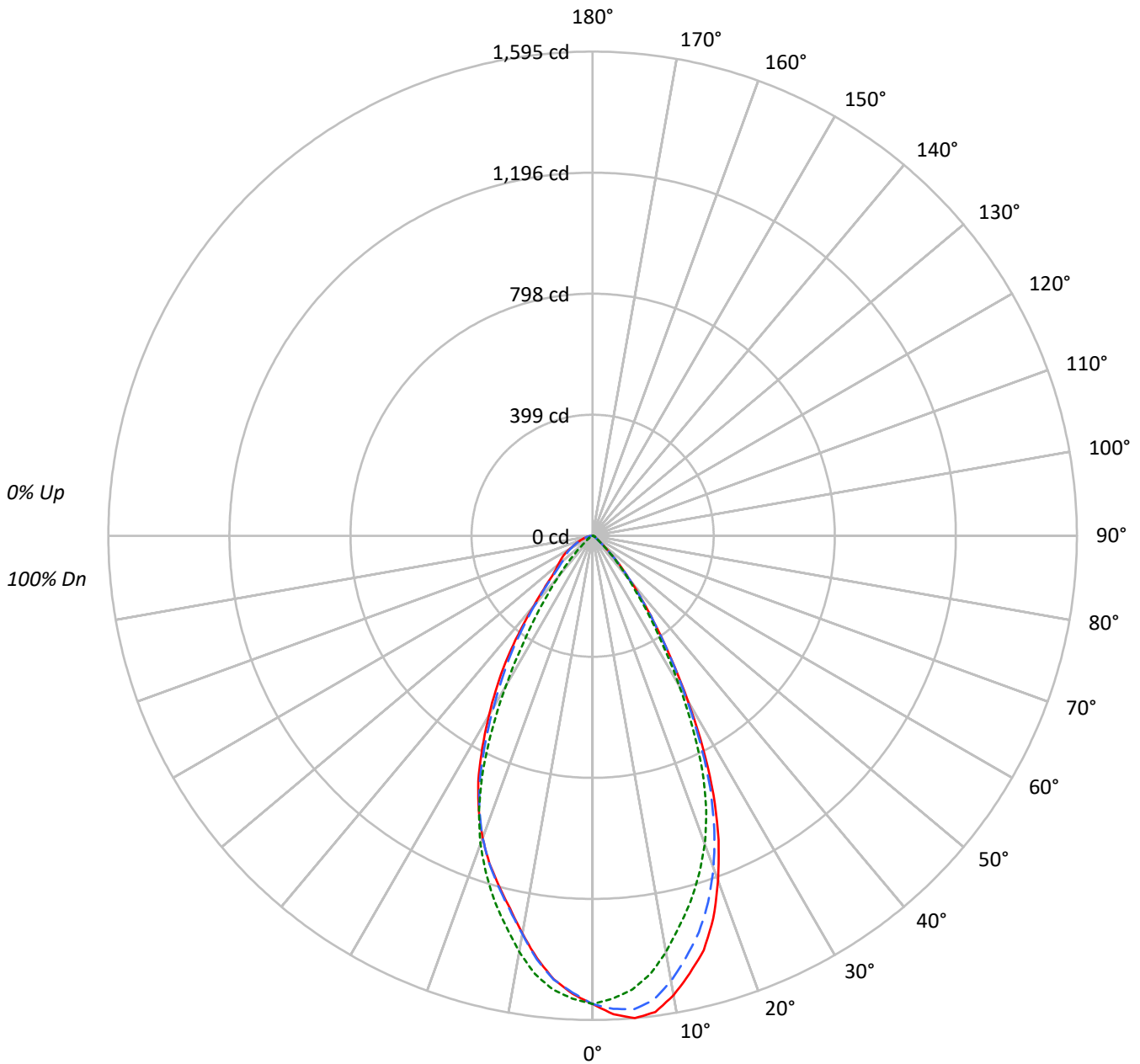
Lumens per Lamp: N/A
Luminaire Lumens: 1328.0 lumens
Efficiency: N/A
Efficacy: 84.1 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): 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°	84560	84560	84560
5°	87772	82572	80706
10°	85531	77453	74047
15°	80216	70772	67713
20°	70420	63005	61804
25°	56955	51759	53894
30°	39595	36056	43133
35°	24407	22091	32551
40°	13812	12380	21619
45°	6706	6396	14753
50°	2550	2550	12545
55°	1395	1653	11574
60°	1020	1316	9484
65°	869	1129	7770
70°	753	962	6395
75°	699	996	5507
80°	410	852	3978
85°	440	1698	3774



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.2	10.6
10°-20°	354.9	26.7
20°-30°	399.5	30.1
30°-40°	247.4	18.6
40°-50°	98.5	7.4
50°-60°	44.8	3.4
60°-70°	25.8	1.9
70°-80°	12.2	0.9
80°-90°	3.6	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°	895.6	67.4
0°-40°	1143.0	86.1
0°-60°	1286.4	96.9
0°-90°	1328.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1328.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1542	1542	1542	1542	1542	
5°	1595	1566	1500	1468	1467	150
15°	1413	1352	1247	1196	1193	391
25°	942	916	856	877	891	423
35°	365	363	330	460	486	234
45°	86	86	82	180	190	73
55°	15	14	17	106	121	15
65°	7	6	9	59	60	6
75°	3	3	5	25	26	3
85°	1	1	3	6	6	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°	1542.5	1542.5	1542.5	1542.5	1542.5	1542.5	1542.5	1542.5	1542.5
2.5°	1577.7	1563.1	1559.8	1547.1	1525.8	1513.8	1506.5	1501.2	1510.5
5°	1595.0	1579.1	1565.7	1539.8	1500.5	1478.6	1467.9	1459.3	1466.6
7.5°	1582.4	1559.8	1541.8	1505.9	1455.9	1422.0	1407.4	1397.4	1404.0
10°	1536.5	1509.2	1488.6	1446.0	1391.4	1350.8	1332.8	1323.5	1330.2
12.5°	1476.6	1454.0	1422.7	1376.1	1317.5	1275.0	1261.6	1254.3	1257.0
15°	1413.4	1386.7	1352.1	1305.6	1247.0	1204.4	1196.4	1191.8	1193.1
17.5°	1321.5	1295.6	1265.6	1220.4	1166.5	1131.9	1131.9	1128.6	1130.6
20°	1207.1	1193.1	1163.8	1125.9	1080.0	1048.7	1058.7	1055.4	1059.4
22.5°	1083.3	1072.7	1047.4	1016.1	977.5	952.9	974.8	974.2	979.5
25°	941.6	933.6	916.3	889.7	855.7	840.4	877.0	877.0	891.0
27.5°	785.2	777.2	765.2	742.6	714.7	710.0	763.9	770.6	785.9
30°	625.5	620.2	613.5	592.9	569.6	578.3	652.8	664.1	681.4
32.5°	483.1	479.8	477.8	459.1	438.5	467.1	552.3	566.9	584.2
35°	364.7	357.3	362.7	348.7	330.1	366.0	459.8	472.5	486.4
37.5°	268.8	263.5	268.2	258.2	241.5	280.8	369.3	377.3	386.6
40°	193.0	188.3	192.3	186.3	173.0	209.6	289.5	298.1	302.1
42.5°	137.1	129.1	133.1	128.4	121.8	157.7	227.6	235.6	236.9
45°	86.5	83.8	86.5	83.8	82.5	117.1	179.7	187.0	190.3
47.5°	52.6	49.2	49.2	47.9	49.2	86.5	148.4	159.0	164.4
50°	29.9	28.6	27.9	27.3	29.9	67.9	128.4	140.4	147.1
52.5°	20.0	19.3	19.3	18.6	22.0	57.2	115.8	126.4	133.1
55°	14.6	14.0	14.0	14.0	17.3	49.2	106.5	115.1	121.1
57.5°	11.3	11.3	11.3	10.6	14.6	41.9	95.2	99.8	104.5
60°	9.3	8.7	8.7	8.7	12.0	35.9	81.8	83.8	86.5
62.5°	7.3	7.3	7.3	7.3	10.0	31.9	70.5	70.5	71.9
65°	6.7	6.0	6.0	6.0	8.7	27.9	59.2	58.6	59.9
67.5°	5.3	5.3	5.3	5.3	7.3	24.0	48.6	47.9	49.2
70°	4.7	4.7	4.7	4.7	6.0	20.0	39.3	38.6	39.9
72.5°	4.0	4.0	4.0	4.0	5.3	16.6	31.3	31.3	31.9
75°	3.3	3.3	3.3	3.3	4.7	12.6	25.3	25.3	26.0
77.5°	2.7	2.7	2.7	2.7	3.3	10.0	19.3	18.6	18.6
80°	1.3	2.0	2.0	2.0	2.7	7.3	14.0	12.6	12.6
82.5°	0.7	1.3	1.3	1.3	2.7	5.3	9.3	8.7	8.7
85°	0.7	0.7	0.7	2.0	2.7	4.0	6.0	6.0	6.0
87.5°	0.0	0.7	1.3	2.7	3.3	3.3	4.0	3.3	3.3
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)