

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: P799374

Luminaire Tested: **LD6C15D010 EU6159030 6LBMDSWWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799374
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 EU6159030 6LBMDSWWH
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

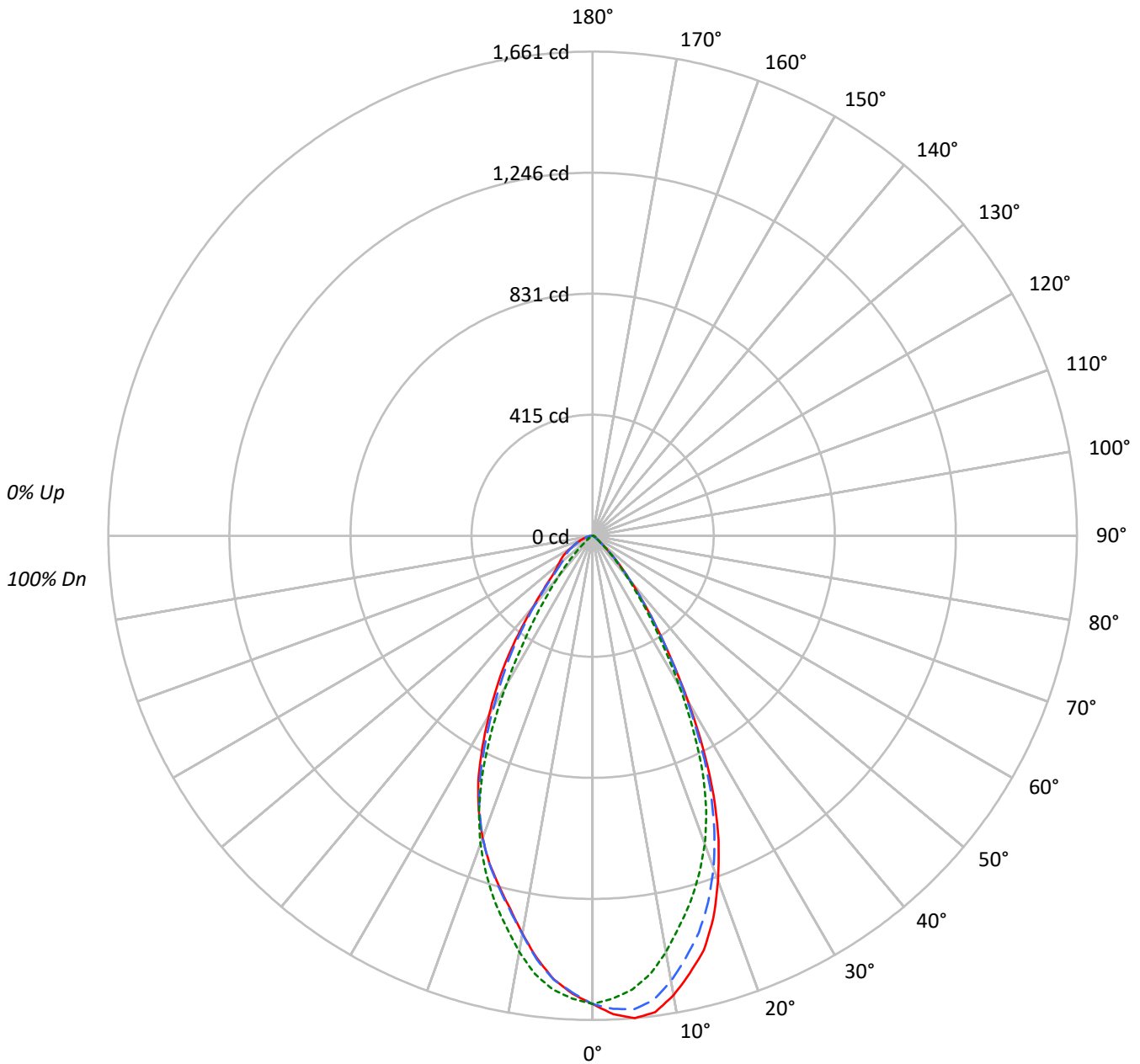
Lumens per Lamp: N/A
Luminaire Lumens: 1383.0 lumens
Efficiency: N/A
Efficacy: 87.5 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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	57	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°	88058	88058	88058
5°	91410	85995	84047
10°	89071	80660	77114
15°	83536	73706	70517
20°	73337	65613	64359
25°	59314	53906	56126
30°	41234	37550	44918
35°	25417	23001	33903
40°	14384	12896	22514
45°	6985	6660	15366
50°	2661	2661	13057
55°	1453	1720	12052
60°	1064	1371	9879
65°	895	1167	8094
70°	785	994	6668
75°	741	1038	5719
80°	442	884	4167
85°	440	1761	3900



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.1	10.6
10°-20°	369.6	26.7
20°-30°	416.1	30.1
30°-40°	257.6	18.6
40°-50°	102.6	7.4
50°-60°	46.7	3.4
60°-70°	26.8	1.9
70°-80°	12.8	0.9
80°-90°	3.7	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°	932.7	67.4
0°-40°	1190.4	86.1
0°-60°	1339.7	96.9
0°-90°	1383.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1383.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1606	1606	1606	1606	1606	
5°	1661	1631	1563	1529	1527	156
15°	1472	1408	1299	1246	1242	407
25°	981	954	891	913	928	441
35°	380	378	344	479	507	244
45°	90	90	86	187	198	76
55°	15	15	18	111	126	15
65°	7	6	9	62	62	7
75°	4	4	5	26	27	4
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°	1606.3	1606.3	1606.3	1606.3	1606.3	1606.3	1606.3	1606.3	1606.3
2.5°	1643.1	1627.8	1624.4	1611.2	1589.0	1576.5	1568.9	1563.4	1573.1
5°	1661.1	1644.5	1630.6	1603.6	1562.7	1539.8	1528.7	1519.7	1527.3
7.5°	1647.9	1624.4	1605.6	1568.2	1516.2	1480.9	1465.7	1455.3	1462.2
10°	1600.1	1571.7	1550.2	1505.9	1449.0	1406.8	1388.0	1378.3	1385.3
12.5°	1537.7	1514.2	1481.6	1433.1	1372.1	1327.8	1313.9	1306.3	1309.0
15°	1471.9	1444.2	1408.1	1359.6	1298.7	1254.3	1246.0	1241.1	1242.5
17.5°	1376.3	1349.2	1318.1	1270.9	1214.8	1178.8	1178.8	1175.3	1177.4
20°	1257.1	1242.5	1212.0	1172.5	1124.7	1092.1	1102.5	1099.1	1103.2
22.5°	1128.2	1117.1	1090.8	1058.2	1018.0	992.4	1015.2	1014.5	1020.1
25°	980.6	972.3	954.2	926.5	891.2	875.2	913.4	913.4	927.9
27.5°	817.7	809.4	796.9	773.4	744.3	739.4	795.5	802.5	818.4
30°	651.4	645.9	638.9	617.4	593.2	602.2	679.8	691.6	709.6
32.5°	503.1	499.6	497.6	478.2	456.7	486.5	575.2	590.4	608.4
35°	379.8	372.1	377.7	363.1	343.7	381.1	478.9	492.0	506.6
37.5°	280.0	274.4	279.3	268.9	251.6	292.4	384.6	392.9	402.6
40°	201.0	196.1	200.3	194.0	180.2	218.3	301.4	310.5	314.6
42.5°	142.8	134.4	138.6	133.7	126.8	164.2	237.0	245.3	246.7
45°	90.1	87.3	90.1	87.3	85.9	122.0	187.1	194.7	198.2
47.5°	54.7	51.3	51.3	49.9	51.3	90.1	154.5	165.6	171.2
50°	31.2	29.8	29.1	28.4	31.2	70.7	133.7	146.2	153.1
52.5°	20.8	20.1	20.1	19.4	22.9	59.6	120.6	131.7	138.6
55°	15.2	14.6	14.6	14.6	18.0	51.3	110.9	119.9	126.1
57.5°	11.8	11.8	11.8	11.1	15.2	43.7	99.1	103.9	108.8
60°	9.7	9.0	9.0	9.0	12.5	37.4	85.2	87.3	90.1
62.5°	7.6	7.6	7.6	7.6	10.4	33.3	73.5	73.5	74.8
65°	6.9	6.2	6.2	6.2	9.0	29.1	61.7	61.0	62.4
67.5°	5.5	5.5	5.5	5.5	7.6	24.9	50.6	49.9	51.3
70°	4.9	4.9	4.9	4.9	6.2	20.8	40.9	40.2	41.6
72.5°	4.2	4.2	4.2	4.2	5.5	17.3	32.6	32.6	33.3
75°	3.5	3.5	3.5	3.5	4.9	13.2	26.3	26.3	27.0
77.5°	2.8	2.8	2.8	2.8	3.5	10.4	20.1	19.4	19.4
80°	1.4	2.1	2.1	2.1	2.8	7.6	14.6	13.2	13.2
82.5°	0.7	1.4	1.4	1.4	2.8	5.5	9.7	9.0	9.0
85°	0.7	0.7	0.7	2.1	2.8	4.2	6.2	6.2	6.2
87.5°	0.0	0.7	1.4	2.8	3.5	3.5	4.2	3.5	3.5
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)