

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: P799401

Luminaire Tested: **LD6C15D010 EU6159050 6LBMDDWH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799401
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 EU6159050 6LBMDDWH
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

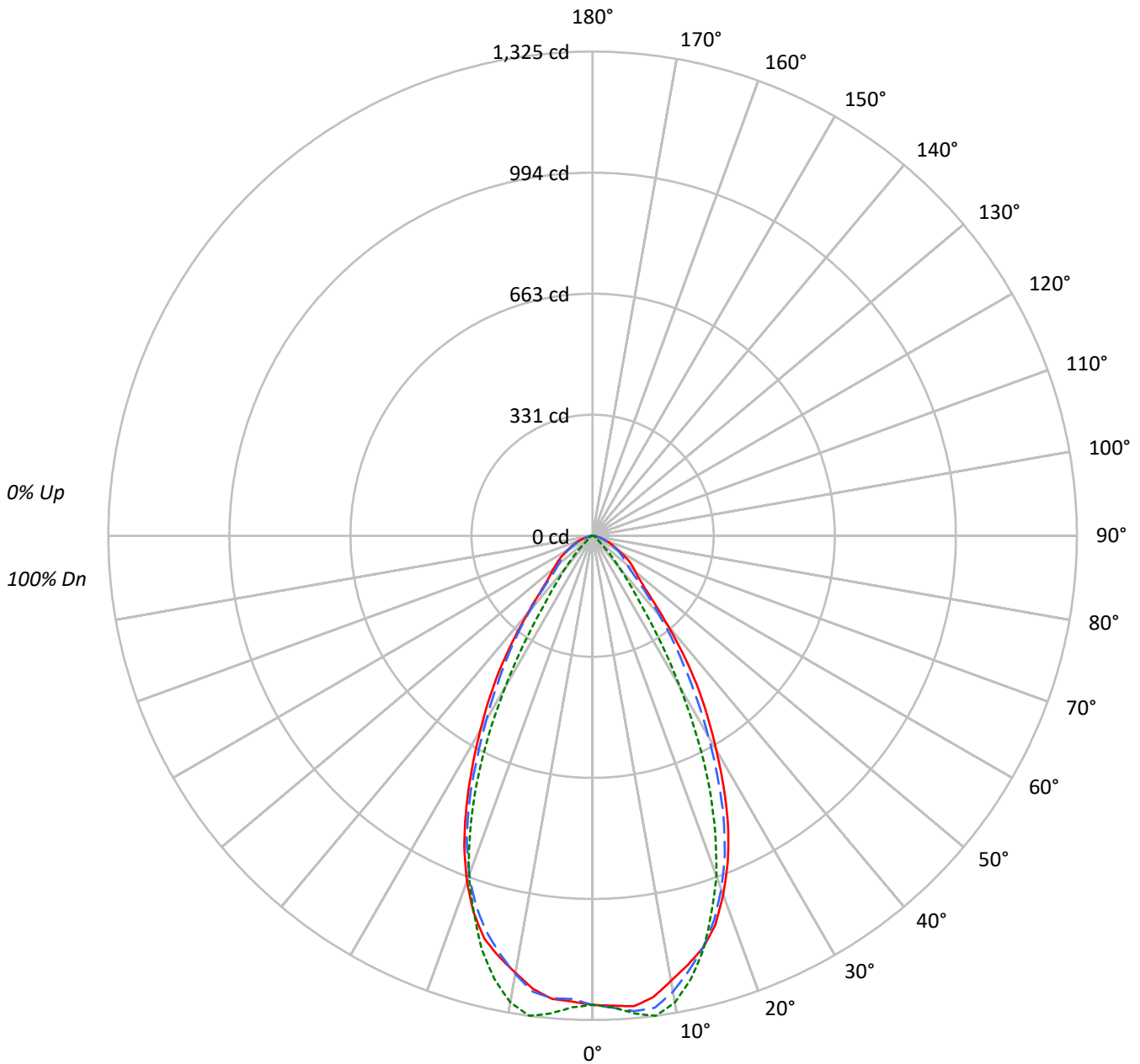
Lumens per Lamp: N/A
Luminaire Lumens: 1307.0 lumens
Efficiency: N/A
Efficacy: 82.7 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{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	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91																			
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70																			
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64																			
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59																			
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55																			
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51																			
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48																			
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	70378	70378	70378
5°	71115	72193	70003
10°	68809	72193	67612
15°	66226	66487	64819
20°	60952	57755	58665
25°	53047	45541	49412
30°	42785	30258	38816
35°	33167	15600	29152
40°	22757	8087	19630
45°	15591	4047	13769
50°	12980	1723	11803
55°	11670	1501	10552
60°	9232	1436	8804
65°	7627	1271	7536
70°	6171	1154	6171
75°	4554	1250	4850
80°	2683	1042	2873
85°	2076	1258	2076



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.2	9.4
10°-20°	320.8	24.5
20°-30°	366.1	28.0
30°-40°	242.8	18.6
40°-50°	117.1	9.0
50°-60°	72.0	5.5
60°-70°	43.6	3.3
70°-80°	18.3	1.4
80°-90°	4.1	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°	809.1	61.9
0°-40°	1051.9	80.5
0°-60°	1241.0	95.0
0°-90°	1307.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1307.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1284	1284	1284	1284	1284	
5°	1292	1306	1312	1270	1272	121
15°	1167	1167	1172	1122	1142	325
25°	877	848	753	797	817	398
35°	496	437	233	408	436	307
45°	201	176	52	165	178	164
55°	122	99	16	99	110	107
65°	59	56	10	53	58	59
75°	22	22	6	20	23	23
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°	1283.8	1283.8	1283.8	1283.8	1283.8	1283.8	1283.8	1283.8	1283.8
2.5°	1287.1	1289.0	1293.0	1293.6	1291.7	1279.2	1268.8	1272.7	1276.0
5°	1292.3	1296.2	1306.0	1315.2	1311.9	1291.0	1270.1	1269.5	1272.1
7.5°	1273.4	1282.5	1302.8	1325.6	1325.0	1289.0	1258.4	1250.5	1250.5
10°	1236.1	1244.6	1266.8	1297.5	1296.9	1251.8	1217.9	1213.9	1214.6
12.5°	1202.8	1206.8	1217.9	1242.0	1242.0	1197.6	1171.5	1175.4	1180.6
15°	1166.9	1169.5	1166.9	1174.8	1171.5	1134.9	1121.9	1134.3	1142.1
17.5°	1116.0	1117.3	1103.6	1093.1	1080.7	1057.9	1061.1	1079.4	1081.4
20°	1044.8	1053.3	1028.5	1001.7	990.0	968.4	986.7	1006.9	1005.6
22.5°	966.5	976.3	944.3	899.8	875.7	867.2	899.8	918.1	917.5
25°	877.0	884.2	847.6	785.6	752.9	751.6	796.7	815.6	816.9
27.5°	776.4	779.0	737.9	656.9	616.4	626.2	683.0	709.2	712.4
30°	675.9	674.6	632.1	531.6	478.0	504.8	581.2	609.9	613.2
32.5°	583.8	579.9	531.6	411.4	347.4	387.2	487.8	517.8	523.1
35°	495.6	489.1	436.9	304.3	233.1	292.5	407.5	433.6	435.6
37.5°	403.6	400.3	359.2	227.9	162.6	222.0	332.4	351.3	349.4
40°	318.0	318.0	284.1	169.1	113.0	165.2	263.2	280.1	274.3
42.5°	249.5	252.7	224.0	124.7	80.3	122.8	208.3	224.0	217.5
45°	201.1	201.1	176.3	92.7	52.2	91.4	164.6	178.9	177.6
47.5°	170.4	167.8	143.0	67.9	28.7	68.6	138.4	156.1	155.4
50°	152.2	148.2	122.8	53.5	20.2	56.8	121.5	137.8	138.4
52.5°	137.8	131.9	110.4	47.7	17.6	49.6	110.4	123.4	123.4
55°	122.1	118.8	99.3	42.4	15.7	44.4	99.3	111.0	110.4
57.5°	103.2	102.5	88.8	38.5	14.4	39.2	88.8	96.0	93.4
60°	84.2	86.9	77.1	34.6	13.1	35.3	75.7	81.6	80.3
62.5°	70.5	73.8	67.3	30.7	11.1	31.3	64.0	69.9	68.6
65°	58.8	61.4	56.2	26.1	9.8	26.1	52.9	58.1	58.1
67.5°	48.3	50.3	46.4	21.5	8.5	21.5	43.1	47.7	48.3
70°	38.5	39.8	36.6	17.0	7.2	17.6	34.0	38.5	38.5
72.5°	30.0	30.7	28.7	13.7	6.5	13.7	26.1	30.0	30.0
75°	21.5	22.9	21.5	10.4	5.9	10.4	20.2	22.2	22.9
77.5°	12.4	15.7	15.7	8.5	4.6	7.8	14.4	15.0	15.0
80°	8.5	9.8	11.1	5.9	3.3	5.9	9.1	9.8	9.1
82.5°	5.9	6.5	6.5	3.9	2.6	3.9	5.9	6.5	5.9
85°	3.3	4.6	4.6	3.3	2.0	2.6	3.3	3.9	3.3
87.5°	2.0	2.6	3.3	2.6	2.0	2.0	2.0	2.0	1.3
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)