

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: P799391

Luminaire Tested: **LD6C15D010 EU6159040 6LBMDDWMW**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799391
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 EU6159040 6LBMDDWMW
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

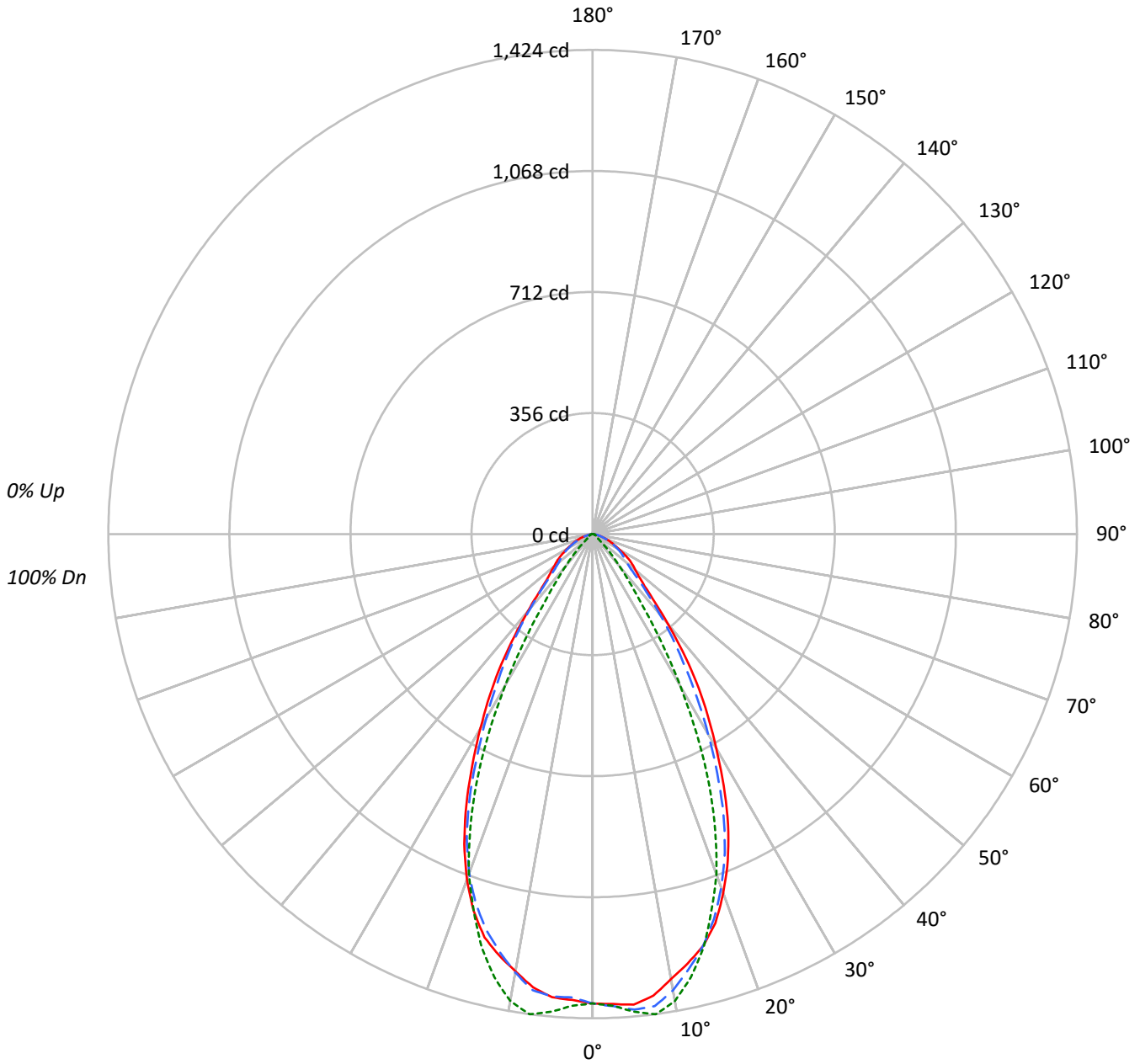
Lumens per Lamp: N/A
Luminaire Lumens: 1405.0 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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					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°	75657	75657	75657
5°	76447	77608	75247
10°	73969	77604	72683
15°	71192	71470	69683
20°	65526	62084	63064
25°	57027	48958	53120
30°	45988	32524	41728
35°	35657	16771	31333
40°	24467	8688	21097
45°	16761	4357	14800
50°	13953	1859	12690
55°	12549	1606	11335
60°	9933	1535	9462
65°	8198	1362	8107
70°	6636	1234	6636
75°	4914	1334	5210
80°	2873	1105	3094
85°	2201	1321	2201



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.4	9.4
10°-20°	344.8	24.5
20°-30°	393.6	28.0
30°-40°	261.0	18.6
40°-50°	125.9	9.0
50°-60°	77.4	5.5
60°-70°	46.9	3.3
70°-80°	19.7	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°	869.7	61.9
0°-40°	1130.8	80.5
0°-60°	1334.1	95.0
0°-90°	1405.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1405.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1380	1380	1380	1380	1380	
5°	1389	1404	1410	1365	1367	131
15°	1254	1254	1259	1206	1228	350
25°	943	911	809	856	878	427
35°	533	470	251	438	468	330
45°	216	190	56	177	191	176
55°	131	107	17	107	119	115
65°	63	60	10	57	62	63
75°	23	23	6	22	25	25
85°	4	5	2	4	4	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°	1380.1	1380.1	1380.1	1380.1	1380.1	1380.1	1380.1	1380.1	1380.1
2.5°	1383.6	1385.7	1389.9	1390.6	1388.5	1375.2	1363.9	1368.1	1371.7
5°	1389.2	1393.4	1403.9	1413.8	1410.3	1387.8	1365.3	1364.6	1367.4
7.5°	1368.8	1378.7	1400.4	1425.0	1424.3	1385.7	1352.7	1344.3	1344.3
10°	1328.8	1338.0	1361.8	1394.8	1394.1	1345.7	1309.2	1305.0	1305.7
12.5°	1293.0	1297.2	1309.2	1335.2	1335.2	1287.4	1259.3	1263.6	1269.2
15°	1254.4	1257.2	1254.4	1262.9	1259.3	1220.0	1206.0	1219.3	1227.8
17.5°	1199.7	1201.1	1186.3	1175.1	1161.8	1137.2	1140.7	1160.4	1162.5
20°	1123.2	1132.3	1105.6	1076.8	1064.2	1041.0	1060.7	1082.4	1081.0
22.5°	1038.9	1049.5	1015.1	967.3	941.3	932.2	967.3	987.0	986.3
25°	942.8	950.5	911.2	844.5	809.4	808.0	856.4	876.8	878.2
27.5°	834.6	837.5	793.2	706.2	662.7	673.2	734.3	762.3	765.9
30°	726.5	725.1	679.5	571.4	513.8	542.6	624.8	655.6	659.2
32.5°	627.6	623.4	571.4	442.2	373.5	416.3	524.4	556.7	562.3
35°	532.8	525.8	469.6	327.1	250.6	314.5	438.0	466.1	468.2
37.5°	433.8	430.3	386.1	245.0	174.8	238.7	357.3	377.7	375.6
40°	341.9	341.9	305.4	181.8	121.4	177.6	282.9	301.1	294.8
42.5°	268.2	271.7	240.8	134.1	86.3	132.0	223.9	240.8	233.8
45°	216.2	216.2	189.5	99.7	56.2	98.3	176.9	192.3	190.9
47.5°	183.2	180.4	153.7	73.0	30.9	73.7	148.8	167.8	167.1
50°	163.6	159.3	132.0	57.6	21.8	61.1	130.6	148.1	148.8
52.5°	148.1	141.8	118.6	51.2	19.0	53.4	118.6	132.7	132.7
55°	131.3	127.8	106.7	45.6	16.8	47.7	106.7	119.3	118.6
57.5°	110.9	110.2	95.5	41.4	15.4	42.1	95.5	103.2	100.4
60°	90.6	93.4	82.8	37.2	14.0	37.9	81.4	87.7	86.3
62.5°	75.8	79.3	72.3	33.0	11.9	33.7	68.8	75.1	73.7
65°	63.2	66.0	60.4	28.1	10.5	28.1	56.9	62.5	62.5
67.5°	51.9	54.1	49.8	23.2	9.1	23.2	46.3	51.2	51.9
70°	41.4	42.8	39.3	18.3	7.7	19.0	36.5	41.4	41.4
72.5°	32.3	33.0	30.9	14.7	7.0	14.7	28.1	32.3	32.3
75°	23.2	24.6	23.2	11.2	6.3	11.2	21.8	23.9	24.6
77.5°	13.3	16.8	16.8	9.1	4.9	8.4	15.4	16.1	16.1
80°	9.1	10.5	11.9	6.3	3.5	6.3	9.8	10.5	9.8
82.5°	6.3	7.0	7.0	4.2	2.8	4.2	6.3	7.0	6.3
85°	3.5	4.9	4.9	3.5	2.1	2.8	3.5	4.2	3.5
87.5°	2.1	2.8	3.5	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)