

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: P800012

Luminaire Tested: **LD6C70D010 EU6709027 6LBMDDWGPB**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P800012
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: LD6C70D010 EU6709027 6LBMDDWGPH
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDDW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

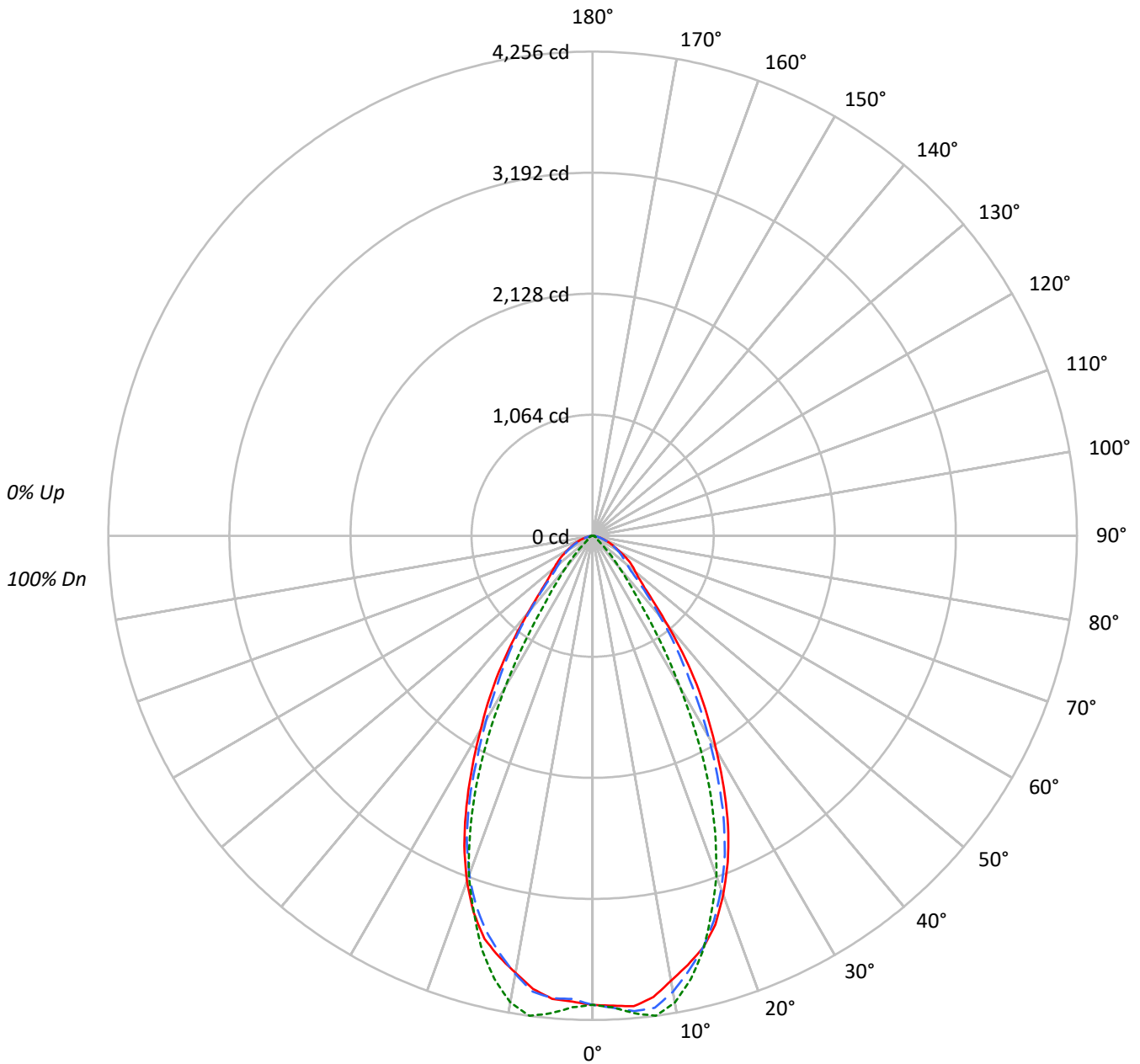
Lumens per Lamp: N/A
Luminaire Lumens: 4198.0 lumens
Efficiency: N/A
Efficacy: 53.8 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 78
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	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°	226051	226051	226051
5°	228417	231878	224840
10°	221016	231876	217164
15°	212720	213554	208196
20°	195778	185499	188433
25°	170381	146277	158713
30°	137414	97186	124671
35°	106535	50112	93625
40°	73094	25970	63040
45°	50083	13009	44229
50°	41679	5544	37926
55°	37485	4807	33882
60°	29669	4594	28287
65°	24490	4086	24218
70°	19827	3703	19827
75°	14657	4003	15547
80°	8619	3315	9281
85°	6604	3963	6604



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	392.5	9.4
10°-20°	1030.2	24.5
20°-30°	1176.0	28.0
30°-40°	779.9	18.6
40°-50°	376.1	9.0
50°-60°	231.4	5.5
60°-70°	140.0	3.3
70°-80°	58.9	1.4
80°-90°	13.0	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°	2598.7	61.9
0°-40°	3378.6	80.5
0°-60°	3986.1	95.0
0°-90°	4198.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4198.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4124	4124	4124	4124	4124	
5°	4151	4195	4214	4080	4086	390
15°	3748	3748	3763	3603	3668	1044
25°	2817	2722	2418	2559	2624	1277
35°	1592	1403	749	1309	1399	985
45°	646	566	168	529	570	527
55°	392	319	50	319	354	345
65°	189	180	32	170	187	190
75°	69	69	19	65	73	74
85°	10	15	6	10	10	13
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°	4123.5	4123.5	4123.5	4123.5	4123.5	4123.5	4123.5	4123.5	4123.5
2.5°	4134.0	4140.3	4152.9	4155.0	4148.7	4108.9	4075.3	4087.9	4098.4
5°	4150.8	4163.4	4194.9	4224.2	4213.7	4146.6	4079.5	4077.4	4085.8
7.5°	4090.0	4119.3	4184.4	4257.8	4255.7	4140.3	4041.7	4016.6	4016.6
10°	3970.4	3997.7	4069.0	4167.6	4165.5	4020.8	3911.7	3899.1	3901.2
12.5°	3863.5	3876.0	3911.7	3989.3	3989.3	3846.7	3762.8	3775.4	3792.2
15°	3748.1	3756.5	3748.1	3773.3	3762.8	3645.3	3603.4	3643.2	3668.4
17.5°	3584.5	3588.7	3544.7	3511.1	3471.2	3397.8	3408.3	3467.0	3473.3
20°	3355.9	3383.2	3303.4	3217.5	3179.7	3110.5	3169.2	3234.2	3230.0
22.5°	3104.2	3135.7	3032.9	2890.3	2812.7	2785.4	2890.3	2949.0	2946.9
25°	2816.8	2839.9	2722.5	2523.2	2418.3	2414.1	2558.9	2619.7	2623.9
27.5°	2493.8	2502.2	2370.1	2110.0	1980.0	2011.4	2193.9	2277.8	2288.3
30°	2170.8	2166.6	2030.3	1707.3	1535.3	1621.3	1866.7	1959.0	1969.5
32.5°	1875.1	1862.5	1707.3	1321.4	1115.8	1243.8	1566.8	1663.3	1680.0
35°	1591.9	1571.0	1403.2	977.4	748.8	939.6	1308.8	1392.7	1399.0
37.5°	1296.2	1285.7	1153.6	732.0	522.3	713.1	1067.6	1128.4	1122.1
40°	1021.4	1021.4	912.4	543.2	362.9	530.6	845.3	899.8	880.9
42.5°	801.2	811.7	719.4	400.6	258.0	394.3	669.1	719.4	698.4
45°	646.0	646.0	566.3	297.8	167.8	293.6	528.6	574.7	570.5
47.5°	547.4	539.0	459.3	218.1	92.3	220.2	444.7	501.3	499.2
50°	488.7	476.1	394.3	172.0	65.0	182.5	390.1	442.6	444.7
52.5°	442.6	423.7	354.5	153.1	56.6	159.4	354.5	396.4	396.4
55°	392.2	381.7	318.8	136.3	50.3	142.6	318.8	356.6	354.5
57.5°	331.4	329.3	285.3	123.7	46.1	125.8	285.3	308.3	299.9
60°	270.6	279.0	247.5	111.2	41.9	113.3	243.3	262.2	258.0
62.5°	226.5	237.0	216.0	98.6	35.7	100.7	205.5	224.4	220.2
65°	188.8	197.2	180.4	83.9	31.5	83.9	169.9	186.7	186.7
67.5°	155.2	161.5	148.9	69.2	27.3	69.2	138.4	153.1	155.2
70°	123.7	127.9	117.5	54.5	23.1	56.6	109.1	123.7	123.7
72.5°	96.5	98.6	92.3	44.0	21.0	44.0	83.9	96.5	96.5
75°	69.2	73.4	69.2	33.6	18.9	33.6	65.0	71.3	73.4
77.5°	39.9	50.3	50.3	27.3	14.7	25.2	46.1	48.2	48.2
80°	27.3	31.5	35.7	18.9	10.5	18.9	29.4	31.5	29.4
82.5°	18.9	21.0	21.0	12.6	8.4	12.6	18.9	21.0	18.9
85°	10.5	14.7	14.7	10.5	6.3	8.4	10.5	12.6	10.5
87.5°	6.3	8.4	10.5	8.4	6.3	6.3	6.3	6.3	4.2
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)