

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: P799334

Luminaire Tested: **LD6C10D010 EU6109040 6LBMDSWGPH**

Issue Date: 4/12/2024

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P799334
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: LD6C10D010 EU6109040 6LBMDSWGPH
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

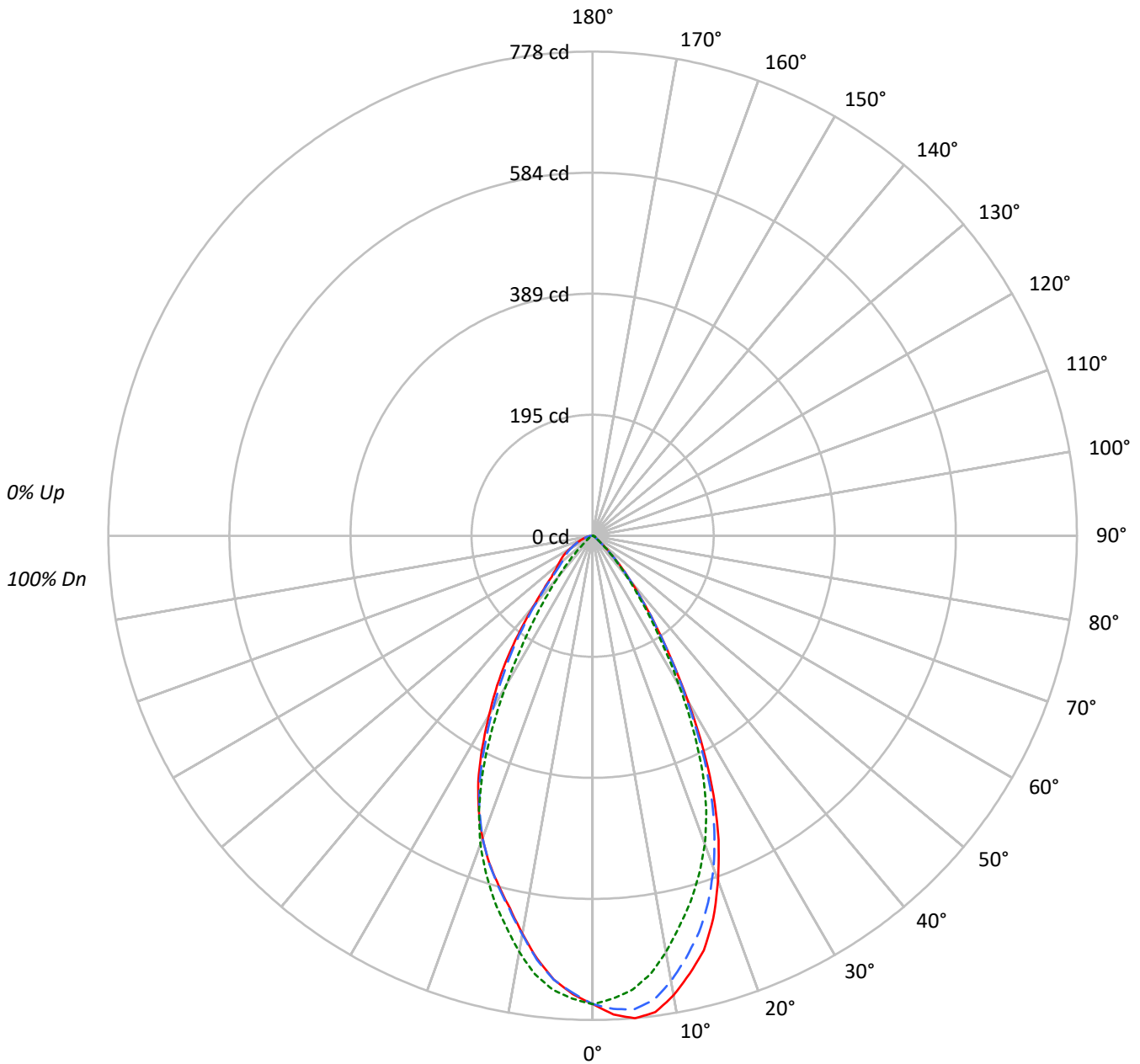
Lumens per Lamp: N/A
Luminaire Lumens: 648.0 lumens
Efficiency: N/A
Efficacy: 66.1 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.8
Input Voltage (V): NR
Input Current (Ain): 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	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°	41258	41258	41258
5°	42830	40293	39379
10°	41733	37792	36133
15°	39143	34535	33042
20°	34361	30744	30155
25°	27788	25260	26300
30°	19319	17591	21048
35°	11906	10775	15888
40°	6741	6040	10548
45°	3272	3124	7202
50°	1245	1245	6123
55°	679	803	5649
60°	493	636	4627
65°	415	545	3788
70°	369	465	3126
75°	339	487	2690
80°	189	410	1957
85°	189	818	1824



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.9	10.6
10°-20°	173.2	26.7
20°-30°	194.9	30.1
30°-40°	120.7	18.6
40°-50°	48.1	7.4
50°-60°	21.9	3.4
60°-70°	12.6	1.9
70°-80°	6.0	0.9
80°-90°	1.7	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°	437.0	67.4
0°-40°	557.7	86.1
0°-60°	627.7	96.9
0°-90°	648.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	648.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	753	753	753	753	753	
5°	778	764	732	716	716	73
15°	690	660	608	584	582	191
25°	459	447	418	428	435	207
35°	178	177	161	224	237	114
45°	42	42	40	88	93	36
55°	7	7	8	52	59	7
65°	3	3	4	29	29	3
75°	2	2	2	12	13	2
85°	0	0	1	3	3	0
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°	752.6	752.6	752.6	752.6	752.6	752.6	752.6	752.6	752.6
2.5°	769.9	762.7	761.1	754.9	744.5	738.7	735.1	732.5	737.1
5°	778.3	770.5	764.0	751.3	732.2	721.5	716.3	712.1	715.6
7.5°	772.1	761.1	752.3	734.8	710.4	693.9	686.7	681.9	685.1
10°	749.7	736.4	726.3	705.6	678.9	659.1	650.4	645.8	649.1
12.5°	720.5	709.5	694.2	671.5	642.9	622.1	615.6	612.1	613.3
15°	689.7	676.7	659.8	637.1	608.5	587.7	583.8	581.5	582.2
17.5°	644.8	632.2	617.6	595.5	569.2	552.3	552.3	550.7	551.7
20°	589.0	582.2	567.9	549.4	527.0	511.7	516.6	515.0	516.9
22.5°	528.6	523.4	511.1	495.8	477.0	465.0	475.7	475.4	478.0
25°	459.4	455.5	447.1	434.1	417.6	410.1	427.9	427.9	434.8
27.5°	383.1	379.2	373.4	362.4	348.7	346.4	372.8	376.0	383.5
30°	305.2	302.6	299.4	289.3	277.9	282.2	318.5	324.0	332.5
32.5°	235.7	234.1	233.1	224.0	214.0	227.9	269.5	276.6	285.1
35°	177.9	174.4	177.0	170.1	161.0	178.6	224.4	230.5	237.4
37.5°	131.2	128.6	130.9	126.0	117.9	137.0	180.2	184.1	188.6
40°	94.2	91.9	93.8	90.9	84.4	102.3	141.2	145.5	147.4
42.5°	66.9	63.0	64.9	62.7	59.4	77.0	111.0	114.9	115.6
45°	42.2	40.9	42.2	40.9	40.3	57.1	87.7	91.2	92.9
47.5°	25.7	24.0	24.0	23.4	24.0	42.2	72.4	77.6	80.2
50°	14.6	14.0	13.6	13.3	14.6	33.1	62.7	68.5	71.8
52.5°	9.7	9.4	9.4	9.1	10.7	27.9	56.5	61.7	64.9
55°	7.1	6.8	6.8	6.8	8.4	24.0	52.0	56.2	59.1
57.5°	5.5	5.5	5.5	5.2	7.1	20.5	46.4	48.7	51.0
60°	4.5	4.2	4.2	4.2	5.8	17.5	39.9	40.9	42.2
62.5°	3.6	3.6	3.6	3.6	4.9	15.6	34.4	34.4	35.1
65°	3.2	2.9	2.9	2.9	4.2	13.6	28.9	28.6	29.2
67.5°	2.6	2.6	2.6	2.6	3.6	11.7	23.7	23.4	24.0
70°	2.3	2.3	2.3	2.3	2.9	9.7	19.2	18.8	19.5
72.5°	1.9	1.9	1.9	1.9	2.6	8.1	15.3	15.3	15.6
75°	1.6	1.6	1.6	1.6	2.3	6.2	12.3	12.3	12.7
77.5°	1.3	1.3	1.3	1.3	1.6	4.9	9.4	9.1	9.1
80°	0.6	1.0	1.0	1.0	1.3	3.6	6.8	6.2	6.2
82.5°	0.3	0.6	0.6	0.6	1.3	2.6	4.5	4.2	4.2
85°	0.3	0.3	0.3	1.0	1.3	1.9	2.9	2.9	2.9
87.5°	0.0	0.3	0.6	1.3	1.6	1.6	1.9	1.6	1.6
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)