

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: P799304

Luminaire Tested: **LD6C10D010 EU6109030 6LBMDDWGPH**

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: P799304
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: LD6C10D010 EU6109030 6LBMDDWGPH
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

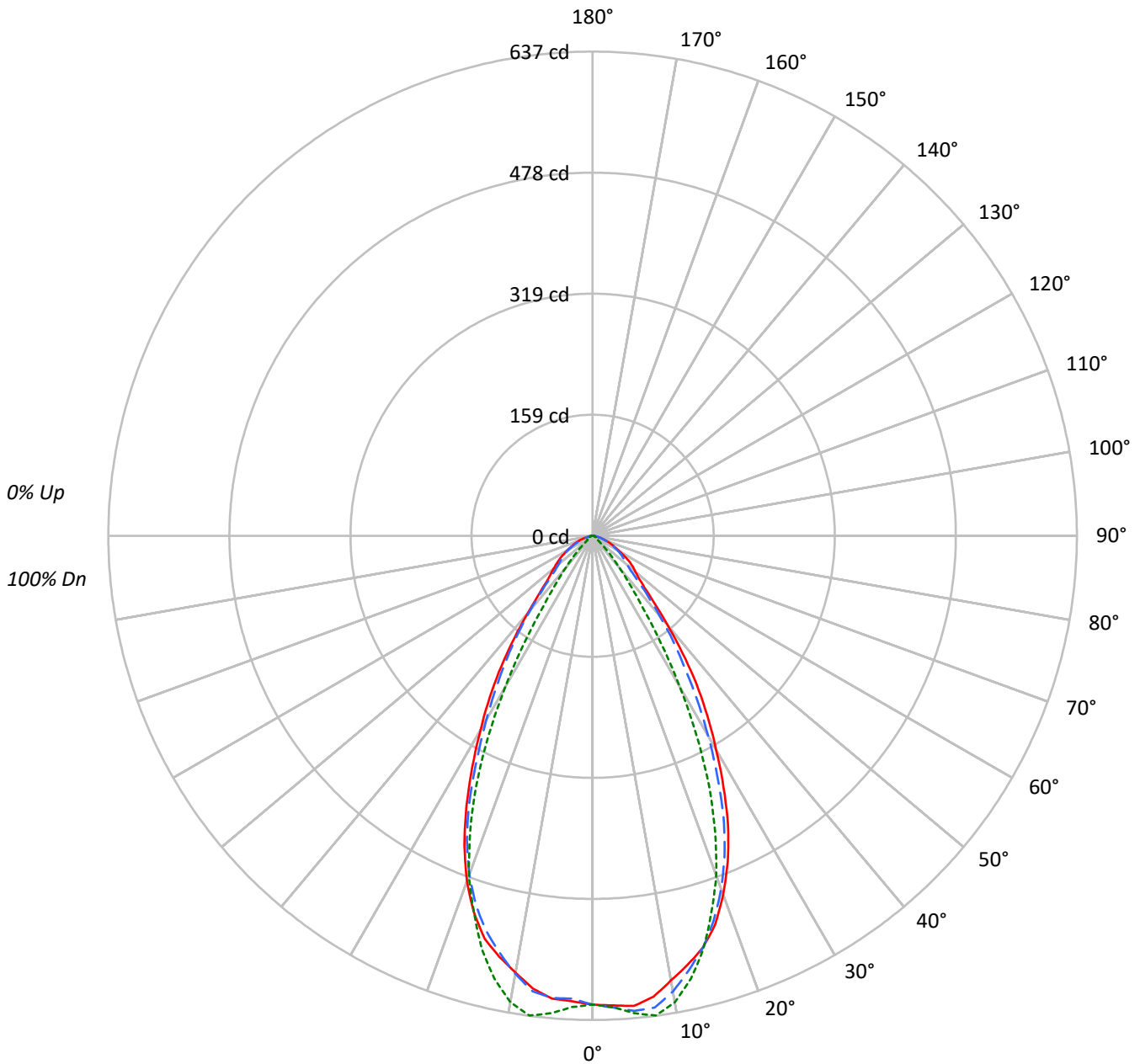
Lumens per Lamp: N/A
Luminaire Lumens: 628.0 lumens
Efficiency: N/A
Efficacy: 64.1 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.8
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°	33819	33819	33819
5°	34168	34691	33634
10°	33066	34685	32487
15°	31822	31947	31147
20°	29286	27752	28189
25°	25489	21884	23741
30°	20554	14540	18648
35°	15934	7495	14007
40°	10935	3886	9432
45°	7489	1946	6613
50°	6234	827	5671
55°	5610	717	5066
60°	4440	691	4232
65°	3658	610	3619
70°	2965	561	2965
75°	2203	593	2330
80°	1294	505	1389
85°	1006	566	1006



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.7	9.4
10°-20°	154.1	24.5
20°-30°	175.9	28.0
30°-40°	116.7	18.6
40°-50°	56.3	9.0
50°-60°	34.6	5.5
60°-70°	20.9	3.3
70°-80°	8.8	1.4
80°-90°	1.9	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°	388.8	61.9
0°-40°	505.4	80.5
0°-60°	596.3	95.0
0°-90°	628.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	628.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	617	617	617	617	617	
5°	621	628	630	610	611	58
15°	561	561	563	539	549	156
25°	421	407	362	383	392	191
35°	238	210	112	196	209	147
45°	97	85	25	79	85	79
55°	59	48	8	48	53	52
65°	28	27	5	25	28	28
75°	10	10	3	10	11	11
85°	2	2	1	2	2	2
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°	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9
2.5°	618.4	619.4	621.3	621.6	620.6	614.7	609.6	611.5	613.1
5°	620.9	622.8	627.5	631.9	630.4	620.3	610.3	610.0	611.2
7.5°	611.8	616.2	626.0	636.9	636.6	619.4	604.6	600.9	600.9
10°	594.0	598.0	608.7	623.5	623.1	601.5	585.2	583.3	583.6
12.5°	578.0	579.8	585.2	596.8	596.8	575.4	562.9	564.8	567.3
15°	560.7	562.0	560.7	564.5	562.9	545.3	539.0	545.0	548.8
17.5°	536.2	536.9	530.3	525.2	519.3	508.3	509.9	518.7	519.6
20°	502.0	506.1	494.2	481.3	475.7	465.3	474.1	483.8	483.2
22.5°	464.4	469.1	453.7	432.4	420.8	416.7	432.4	441.2	440.8
25°	421.4	424.8	407.3	377.5	361.8	361.1	382.8	391.9	392.5
27.5°	373.1	374.3	354.6	315.6	296.2	300.9	328.2	340.7	342.3
30°	324.7	324.1	303.7	255.4	229.7	242.5	279.3	293.1	294.6
32.5°	280.5	278.6	255.4	197.7	166.9	186.1	234.4	248.8	251.3
35°	238.1	235.0	209.9	146.2	112.0	140.6	195.8	208.3	209.3
37.5°	193.9	192.3	172.6	109.5	78.1	106.7	159.7	168.8	167.9
40°	152.8	152.8	136.5	81.3	54.3	79.4	126.4	134.6	131.8
42.5°	119.9	121.4	107.6	59.9	38.6	59.0	100.1	107.6	104.5
45°	96.6	96.6	84.7	44.6	25.1	43.9	79.1	86.0	85.3
47.5°	81.9	80.6	68.7	32.6	13.8	32.9	66.5	75.0	74.7
50°	73.1	71.2	59.0	25.7	9.7	27.3	58.4	66.2	66.5
52.5°	66.2	63.4	53.0	22.9	8.5	23.8	53.0	59.3	59.3
55°	58.7	57.1	47.7	20.4	7.5	21.3	47.7	53.3	53.0
57.5°	49.6	49.3	42.7	18.5	6.9	18.8	42.7	46.1	44.9
60°	40.5	41.7	37.0	16.6	6.3	16.9	36.4	39.2	38.6
62.5°	33.9	35.5	32.3	14.7	5.3	15.1	30.7	33.6	32.9
65°	28.2	29.5	27.0	12.6	4.7	12.6	25.4	27.9	27.9
67.5°	23.2	24.2	22.3	10.4	4.1	10.4	20.7	22.9	23.2
70°	18.5	19.1	17.6	8.2	3.5	8.5	16.3	18.5	18.5
72.5°	14.4	14.7	13.8	6.6	3.1	6.6	12.6	14.4	14.4
75°	10.4	11.0	10.4	5.0	2.8	5.0	9.7	10.7	11.0
77.5°	6.0	7.5	7.5	4.1	2.2	3.8	6.9	7.2	7.2
80°	4.1	4.7	5.3	2.8	1.6	2.8	4.4	4.7	4.4
82.5°	2.8	3.1	3.1	1.9	1.3	1.9	2.8	3.1	2.8
85°	1.6	2.2	2.2	1.6	0.9	1.3	1.6	1.9	1.6
87.5°	0.9	1.3	1.6	1.3	0.9	0.9	0.9	0.9	0.6
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)