

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: P799269

Luminaire Tested: **LD6C08D010 EU6089040 6LBMDDWH**

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: P799269
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: LD6C08D010 EU6089040 6LBMDDWH
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS AND 6LBMDDW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

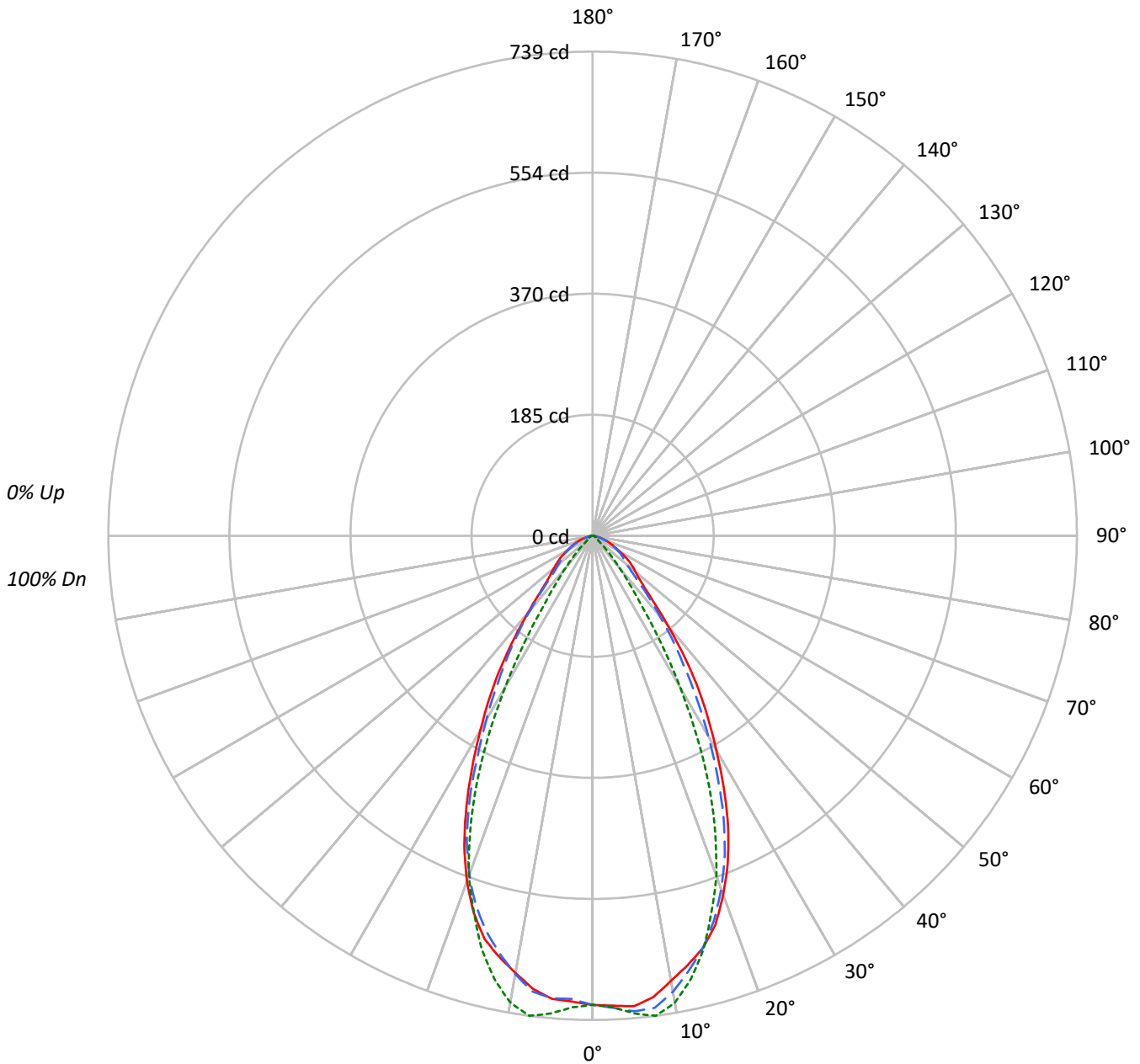
Lumens per Lamp: N/A
Luminaire Lumens: 729.0 lumens
Efficiency: N/A
Efficacy: 73.6 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
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°	39257	39257	39257
5°	39665	40265	39043
10°	38382	40269	37714
15°	36941	37083	36152
20°	34000	32214	32722
25°	29590	25405	27558
30°	23864	16876	21649
35°	18498	8700	16256
40°	12695	4508	10949
45°	8699	2256	7683
50°	7241	964	6584
55°	6509	832	5887
60°	5153	800	4912
65°	4255	713	4203
70°	3446	641	3446
75°	2542	699	2690
80°	1484	568	1610
85°	1132	692	1132



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.2	9.4
10°-20°	178.9	24.5
20°-30°	204.2	28.0
30°-40°	135.4	18.6
40°-50°	65.3	9.0
50°-60°	40.2	5.5
60°-70°	24.3	3.3
70°-80°	10.2	1.4
80°-90°	2.3	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°	451.3	61.9
0°-40°	586.7	80.5
0°-60°	692.2	95.0
0°-90°	729.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	729.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	716	716	716	716	716	
5°	721	728	732	708	710	68
15°	651	651	653	626	637	181
25°	489	473	420	444	456	222
35°	276	244	130	227	243	171
45°	112	98	29	92	99	91
55°	68	55	9	55	62	60
65°	33	31	6	30	32	33
75°	12	12	3	11	13	13
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°	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1
2.5°	717.9	719.0	721.2	721.5	720.4	713.5	707.7	709.9	711.7
5°	720.8	723.0	728.5	733.6	731.7	720.1	708.4	708.1	709.5
7.5°	710.2	715.3	726.6	739.4	739.0	719.0	701.9	697.5	697.5
10°	689.5	694.2	706.6	723.7	723.4	698.2	679.3	677.1	677.5
12.5°	670.9	673.1	679.3	692.8	692.8	668.0	653.4	655.6	658.5
15°	650.9	652.3	650.9	655.2	653.4	633.0	625.7	632.7	637.0
17.5°	622.5	623.2	615.5	609.7	602.8	590.0	591.9	602.1	603.2
20°	582.8	587.5	573.7	558.7	552.2	540.1	550.3	561.6	560.9
22.5°	539.1	544.5	526.7	501.9	488.4	483.7	501.9	512.1	511.7
25°	489.2	493.2	472.8	438.2	420.0	419.2	444.4	454.9	455.6
27.5°	433.1	434.5	411.6	366.4	343.8	349.3	381.0	395.6	397.4
30°	377.0	376.2	352.6	296.5	266.6	281.5	324.2	340.2	342.0
32.5°	325.6	323.4	296.5	229.5	193.8	216.0	272.1	288.8	291.7
35°	276.4	272.8	243.7	169.7	130.0	163.2	227.3	241.8	242.9
37.5°	225.1	223.3	200.3	127.1	90.7	123.8	185.4	196.0	194.9
40°	177.4	177.4	158.4	94.3	63.0	92.1	146.8	156.3	153.0
42.5°	139.1	141.0	124.9	69.6	44.8	68.5	116.2	124.9	121.3
45°	112.2	112.2	98.3	51.7	29.1	51.0	91.8	99.8	99.1
47.5°	95.1	93.6	79.8	37.9	16.0	38.2	77.2	87.1	86.7
50°	84.9	82.7	68.5	29.9	11.3	31.7	67.7	76.9	77.2
52.5°	76.9	73.6	61.6	26.6	9.8	27.7	61.6	68.8	68.8
55°	68.1	66.3	55.4	23.7	8.7	24.8	55.4	61.9	61.6
57.5°	57.5	57.2	49.5	21.5	8.0	21.9	49.5	53.5	52.1
60°	47.0	48.4	43.0	19.3	7.3	19.7	42.3	45.5	44.8
62.5°	39.3	41.2	37.5	17.1	6.2	17.5	35.7	39.0	38.2
65°	32.8	34.2	31.3	14.6	5.5	14.6	29.5	32.4	32.4
67.5°	27.0	28.0	25.9	12.0	4.7	12.0	24.0	26.6	27.0
70°	21.5	22.2	20.4	9.5	4.0	9.8	18.9	21.5	21.5
72.5°	16.8	17.1	16.0	7.6	3.6	7.6	14.6	16.8	16.8
75°	12.0	12.7	12.0	5.8	3.3	5.8	11.3	12.4	12.7
77.5°	6.9	8.7	8.7	4.7	2.5	4.4	8.0	8.4	8.4
80°	4.7	5.5	6.2	3.3	1.8	3.3	5.1	5.5	5.1
82.5°	3.3	3.6	3.6	2.2	1.5	2.2	3.3	3.6	3.3
85°	1.8	2.5	2.5	1.8	1.1	1.5	1.8	2.2	1.8
87.5°	1.1	1.5	1.8	1.5	1.1	1.1	1.1	1.1	0.7
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)