

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: P799245

Luminaire Tested: **LD6C08D010 EU6089030 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: P799245
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 EU6089030 6LBMDDWH
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND 6LBMDDW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

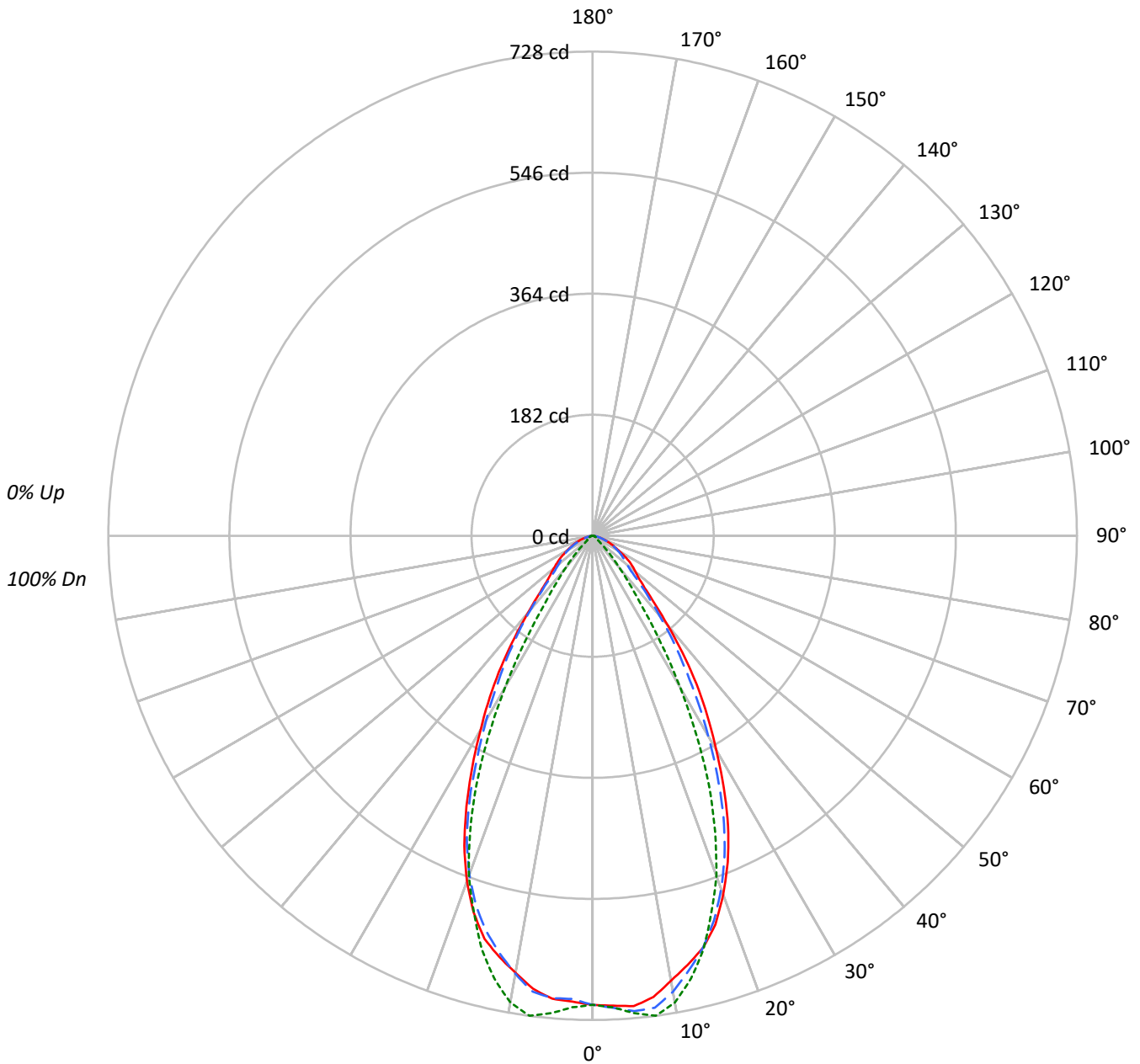
Lumens per Lamp: N/A
Luminaire Lumens: 718.0 lumens
Efficiency: N/A
Efficacy: 72.5 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (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									
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°	38665	38665	38665
5°	39065	39660	38455
10°	37803	39656	37140
15°	36385	36527	35607
20°	33486	31724	32226
25°	29143	25018	27147
30°	23504	16623	21320
35°	18223	8573	16015
40°	12502	4444	10784
45°	8567	2225	7567
50°	7130	947	6490
55°	6413	822	5792
60°	5076	789	4835
65°	4190	700	4138
70°	3398	625	3398
75°	2499	678	2669
80°	1484	568	1578
85°	1132	692	1132



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.1	9.4
10°-20°	176.2	24.5
20°-30°	201.1	28.0
30°-40°	133.4	18.6
40°-50°	64.3	9.0
50°-60°	39.6	5.5
60°-70°	23.9	3.3
70°-80°	10.1	1.4
80°-90°	2.2	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°	444.5	61.9
0°-40°	577.9	80.5
0°-60°	681.8	95.0
0°-90°	718.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	718.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	705	705	705	705	705	
5°	710	718	721	698	699	67
15°	641	641	644	616	627	179
25°	482	466	414	438	449	218
35°	272	240	128	224	239	168
45°	110	97	29	90	98	90
55°	67	54	9	54	61	59
65°	32	31	5	29	32	32
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°	705.3	705.3	705.3	705.3	705.3	705.3	705.3	705.3	705.3
2.5°	707.1	708.1	710.3	710.6	709.6	702.8	697.0	699.2	701.0
5°	709.9	712.1	717.5	722.5	720.7	709.2	697.7	697.4	698.8
7.5°	699.5	704.5	715.7	728.2	727.9	708.1	691.3	687.0	687.0
10°	679.1	683.7	695.9	712.8	712.4	687.7	669.0	666.9	667.2
12.5°	660.8	662.9	669.0	682.3	682.3	657.9	643.6	645.7	648.6
15°	641.1	642.5	641.1	645.4	643.6	623.5	616.3	623.1	627.4
17.5°	613.1	613.8	606.3	600.5	593.7	581.1	582.9	593.0	594.1
20°	574.0	578.6	565.0	550.3	543.8	532.0	542.0	553.2	552.4
22.5°	530.9	536.3	518.7	494.3	481.1	476.4	494.3	504.4	504.0
25°	481.8	485.7	465.6	431.6	413.6	412.9	437.7	448.1	448.8
27.5°	426.5	428.0	405.4	360.9	338.6	344.0	375.2	389.6	391.4
30°	371.3	370.6	347.3	292.0	262.6	277.3	319.3	335.1	336.8
32.5°	320.7	318.6	292.0	226.0	190.8	212.7	268.0	284.5	287.3
35°	272.3	268.7	240.0	167.2	128.1	160.7	223.8	238.2	239.3
37.5°	221.7	219.9	197.3	125.2	89.3	122.0	182.6	193.0	191.9
40°	174.7	174.7	156.0	92.9	62.1	90.8	144.6	153.9	150.7
42.5°	137.0	138.8	123.0	68.5	44.1	67.4	114.4	123.0	119.5
45°	110.5	110.5	96.9	50.9	28.7	50.2	90.4	98.3	97.6
47.5°	93.6	92.2	78.6	37.3	15.8	37.7	76.1	85.7	85.4
50°	83.6	81.4	67.4	29.4	11.1	31.2	66.7	75.7	76.1
52.5°	75.7	72.5	60.6	26.2	9.7	27.3	60.6	67.8	67.8
55°	67.1	65.3	54.5	23.3	8.6	24.4	54.5	61.0	60.6
57.5°	56.7	56.3	48.8	21.2	7.9	21.5	48.8	52.7	51.3
60°	46.3	47.7	42.3	19.0	7.2	19.4	41.6	44.8	44.1
62.5°	38.7	40.5	36.9	16.9	6.1	17.2	35.2	38.4	37.7
65°	32.3	33.7	30.9	14.3	5.4	14.3	29.1	31.9	31.9
67.5°	26.5	27.6	25.5	11.8	4.7	11.8	23.7	26.2	26.5
70°	21.2	21.9	20.1	9.3	3.9	9.7	18.7	21.2	21.2
72.5°	16.5	16.9	15.8	7.5	3.6	7.5	14.3	16.5	16.5
75°	11.8	12.6	11.8	5.7	3.2	5.7	11.1	12.2	12.6
77.5°	6.8	8.6	8.6	4.7	2.5	4.3	7.9	8.3	8.3
80°	4.7	5.4	6.1	3.2	1.8	3.2	5.0	5.4	5.0
82.5°	3.2	3.6	3.6	2.2	1.4	2.2	3.2	3.6	3.2
85°	1.8	2.5	2.5	1.8	1.1	1.4	1.8	2.2	1.8
87.5°	1.1	1.4	1.8	1.4	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)