

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: P799243

Luminaire Tested: **LD6C08D010 EU6089027 6LBMDSWWMH**

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: P799243
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: LD6C08D010 EU6089027 6LBMDSWWMH
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS AND 6LBMDSW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

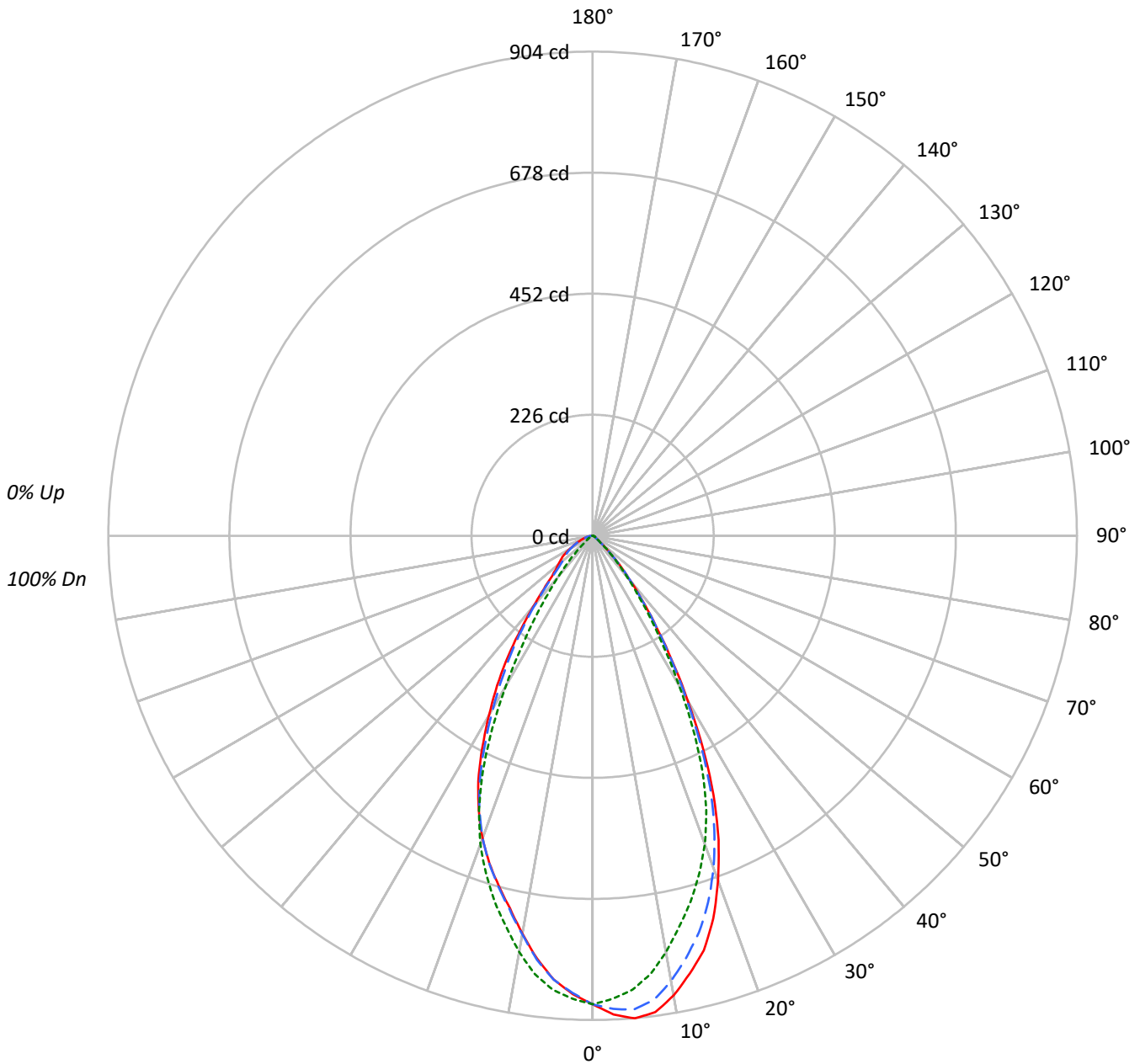
Lumens per Lamp: N/A
Luminaire Lumens: 753.0 lumens
Efficiency: N/A
Efficacy: 76.1 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
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					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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92					92			
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85					85			
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78					78			
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73					73			
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67					67			
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63					63			
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59					59			
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55					55			
9	74	64	58	54	73	63	57	54	62	57	53	61	57	53	61	56	53	52					52			
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49					49			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	47946	47946	47946
5°	49769	46819	45763
10°	48496	43920	41983
15°	45483	40131	38394
20°	39927	35726	35044
25°	32294	29348	30558
30°	22453	20446	24459
35°	13840	12521	18457
40°	7829	7020	12259
45°	3807	3628	8365
50°	1450	1450	7113
55°	793	937	6566
60°	581	746	5383
65°	493	636	4410
70°	417	545	3622
75°	402	551	3114
80°	253	474	2273
85°	252	943	2139



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.1	10.6
10°-20°	201.2	26.7
20°-30°	226.5	30.1
30°-40°	140.3	18.6
40°-50°	55.9	7.4
50°-60°	25.4	3.4
60°-70°	14.6	1.9
70°-80°	6.9	0.9
80°-90°	2.0	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°	507.8	67.4
0°-40°	648.1	86.1
0°-60°	729.4	96.9
0°-90°	753.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	753.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	875	875	875	875	875	
5°	904	888	851	832	832	85
15°	801	767	707	678	676	222
25°	534	520	485	497	505	240
35°	207	206	187	261	276	133
45°	49	49	47	102	108	42
55°	8	8	10	60	69	8
65°	4	3	5	34	34	4
75°	2	2	3	14	15	2
85°	0	0	2	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°	874.6	874.6	874.6	874.6	874.6	874.6	874.6	874.6	874.6
2.5°	894.6	886.3	884.4	877.2	865.2	858.4	854.2	851.2	856.5
5°	904.4	895.4	887.8	873.1	850.8	838.4	832.3	827.4	831.6
7.5°	897.2	884.4	874.2	853.8	825.5	806.3	798.0	792.3	796.1
10°	871.2	855.7	844.0	819.9	789.0	765.9	755.7	750.5	754.2
12.5°	837.2	824.4	806.7	780.3	747.1	722.9	715.4	711.2	712.7
15°	801.4	786.3	766.7	740.3	707.1	682.9	678.4	675.8	676.5
17.5°	749.3	734.6	717.6	692.0	661.4	641.8	641.8	639.9	641.0
20°	684.4	676.5	659.9	638.4	612.4	594.6	600.3	598.4	600.7
22.5°	614.3	608.2	593.9	576.1	554.3	540.3	552.8	552.4	555.4
25°	533.9	529.4	519.6	504.5	485.2	476.5	497.3	497.3	505.2
27.5°	445.2	440.7	433.9	421.1	405.2	402.6	433.1	436.9	445.6
30°	354.7	351.7	347.9	336.2	323.0	327.9	370.1	376.6	386.4
32.5°	273.9	272.0	270.9	260.3	248.6	264.9	313.2	321.5	331.3
35°	206.8	202.6	205.6	197.7	187.1	207.5	260.7	267.9	275.8
37.5°	152.4	149.4	152.1	146.4	137.0	159.2	209.4	213.9	219.2
40°	109.4	106.8	109.0	105.6	98.1	118.9	164.1	169.0	171.3
42.5°	77.7	73.2	75.5	72.8	69.0	89.4	129.0	133.6	134.3
45°	49.1	47.5	49.1	47.5	46.8	66.4	101.9	106.0	107.9
47.5°	29.8	27.9	27.9	27.2	27.9	49.1	84.1	90.2	93.2
50°	17.0	16.2	15.8	15.5	17.0	38.5	72.8	79.6	83.4
52.5°	11.3	10.9	10.9	10.6	12.5	32.4	65.7	71.7	75.5
55°	8.3	7.9	7.9	7.9	9.8	27.9	60.4	65.3	68.7
57.5°	6.4	6.4	6.4	6.0	8.3	23.8	54.0	56.6	59.2
60°	5.3	4.9	4.9	4.9	6.8	20.4	46.4	47.5	49.1
62.5°	4.2	4.2	4.2	4.2	5.7	18.1	40.0	40.0	40.7
65°	3.8	3.4	3.4	3.4	4.9	15.8	33.6	33.2	34.0
67.5°	3.0	3.0	3.0	3.0	4.2	13.6	27.5	27.2	27.9
70°	2.6	2.6	2.6	2.6	3.4	11.3	22.3	21.9	22.6
72.5°	2.3	2.3	2.3	2.3	3.0	9.4	17.7	17.7	18.1
75°	1.9	1.9	1.9	1.9	2.6	7.2	14.3	14.3	14.7
77.5°	1.5	1.5	1.5	1.5	1.9	5.7	10.9	10.6	10.6
80°	0.8	1.1	1.1	1.1	1.5	4.2	7.9	7.2	7.2
82.5°	0.4	0.8	0.8	0.8	1.5	3.0	5.3	4.9	4.9
85°	0.4	0.4	0.4	1.1	1.5	2.3	3.4	3.4	3.4
87.5°	0.0	0.4	0.8	1.5	1.9	1.9	2.3	1.9	1.9
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)