

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: P799251

Luminaire Tested: **LD6C08D010 EU6089030 6LBMDSWH**

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: P799251
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 EU6089030 6LBMDSWH
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND 6LBMDSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

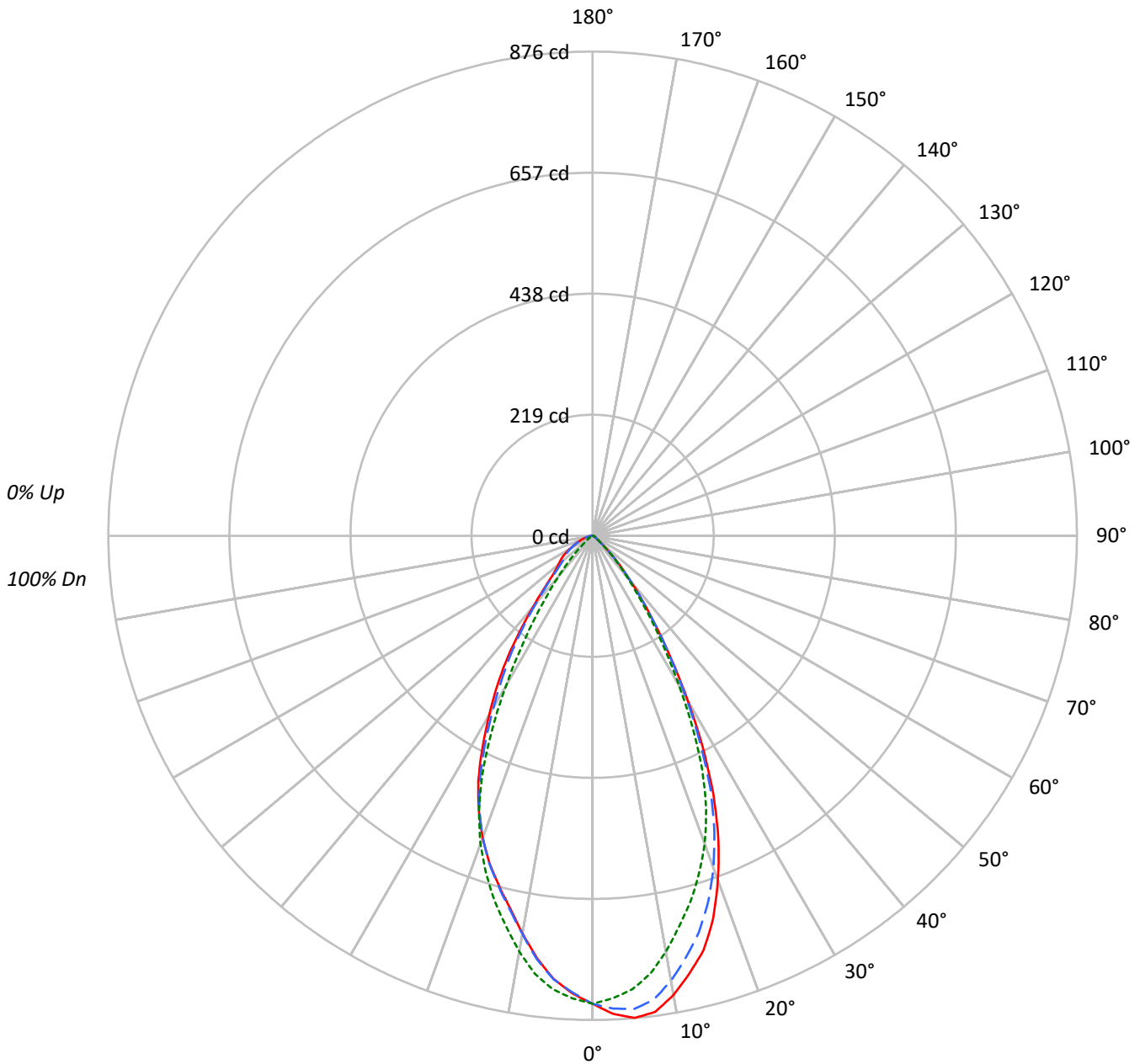
Lumens per Lamp: N/A
Luminaire Lumens: 729.0 lumens
Efficiency: N/A
Efficacy: 73.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (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					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	58	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°	46416	46416	46416
5°	48184	45328	44304
10°	46949	42518	40647
15°	44035	38848	37174
20°	38655	34589	33924
25°	31266	28417	29584
30°	21738	19794	23675
35°	13398	12126	17868
40°	7578	6798	11865
45°	3683	3512	8102
50°	1399	1399	6883
55°	765	908	6356
60°	559	724	5208
65°	480	610	4268
70°	417	529	3510
75°	381	551	3008
80°	221	474	2178
85°	252	943	2076



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.5	10.6
10°-20°	194.8	26.7
20°-30°	219.3	30.1
30°-40°	135.8	18.6
40°-50°	54.1	7.4
50°-60°	24.6	3.4
60°-70°	14.1	1.9
70°-80°	6.7	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°	491.7	67.4
0°-40°	627.5	86.1
0°-60°	706.2	96.9
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°	847	847	847	847	847	
5°	876	860	824	806	805	82
15°	776	742	684	657	655	215
25°	517	503	470	481	489	232
35°	200	199	181	252	267	129
45°	48	48	45	99	104	40
55°	8	8	10	58	66	8
65°	4	3	5	32	33	4
75°	2	2	3	14	14	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°	846.7	846.7	846.7	846.7	846.7	846.7	846.7	846.7	846.7
2.5°	866.1	858.0	856.2	849.3	837.6	831.0	827.0	824.1	829.2
5°	875.6	866.8	859.5	845.3	823.7	811.7	805.8	801.1	805.1
7.5°	868.6	856.2	846.4	826.6	799.2	780.6	772.6	767.1	770.7
10°	843.4	828.5	817.1	793.8	763.8	741.5	731.7	726.5	730.2
12.5°	810.6	798.1	781.0	755.4	723.3	699.9	692.6	688.6	690.0
15°	775.9	761.2	742.3	716.7	684.5	661.2	656.8	654.2	655.0
17.5°	725.5	711.2	694.8	669.9	640.3	621.3	621.3	619.5	620.6
20°	662.6	655.0	638.9	618.1	592.9	575.7	581.2	579.3	581.5
22.5°	594.7	588.8	575.0	557.8	536.6	523.1	535.1	534.8	537.7
25°	516.9	512.5	503.0	488.4	469.8	461.4	481.4	481.4	489.1
27.5°	431.0	426.6	420.1	407.7	392.3	389.8	419.3	423.0	431.4
30°	343.4	340.4	336.8	325.5	312.7	317.4	358.3	364.6	374.0
32.5°	265.2	263.4	262.3	252.0	240.7	256.4	303.2	311.2	320.7
35°	200.2	196.2	199.1	191.4	181.2	200.9	252.4	259.4	267.0
37.5°	147.6	144.7	147.2	141.7	132.6	154.1	202.7	207.1	212.2
40°	105.9	103.4	105.6	102.3	95.0	115.1	158.9	163.6	165.8
42.5°	75.2	70.9	73.1	70.5	66.8	86.6	124.9	129.3	130.0
45°	47.5	46.0	47.5	46.0	45.3	64.3	98.6	102.6	104.5
47.5°	28.9	27.0	27.0	26.3	27.0	47.5	81.5	87.3	90.2
50°	16.4	15.7	15.3	15.0	16.4	37.3	70.5	77.1	80.7
52.5°	11.0	10.6	10.6	10.2	12.1	31.4	63.6	69.4	73.1
55°	8.0	7.7	7.7	7.7	9.5	27.0	58.4	63.2	66.5
57.5°	6.2	6.2	6.2	5.8	8.0	23.0	52.2	54.8	57.3
60°	5.1	4.7	4.7	4.7	6.6	19.7	44.9	46.0	47.5
62.5°	4.0	4.0	4.0	4.0	5.5	17.5	38.7	38.7	39.5
65°	3.7	3.3	3.3	3.3	4.7	15.3	32.5	32.1	32.9
67.5°	2.9	2.9	2.9	2.9	4.0	13.2	26.7	26.3	27.0
70°	2.6	2.6	2.6	2.6	3.3	11.0	21.6	21.2	21.9
72.5°	2.2	2.2	2.2	2.2	2.9	9.1	17.2	17.2	17.5
75°	1.8	1.8	1.8	1.8	2.6	6.9	13.9	13.9	14.2
77.5°	1.5	1.5	1.5	1.5	1.8	5.5	10.6	10.2	10.2
80°	0.7	1.1	1.1	1.1	1.5	4.0	7.7	6.9	6.9
82.5°	0.4	0.7	0.7	0.7	1.5	2.9	5.1	4.7	4.7
85°	0.4	0.4	0.4	1.1	1.5	2.2	3.3	3.3	3.3
87.5°	0.0	0.4	0.7	1.5	1.8	1.8	2.2	1.8	1.8
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)