

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: P799302

Luminaire Tested: **LD6C10D010 EU6109027 6LBMDSWWH**

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: P799302
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: LD6C10D010 EU6109027 6LBMDSWWH
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

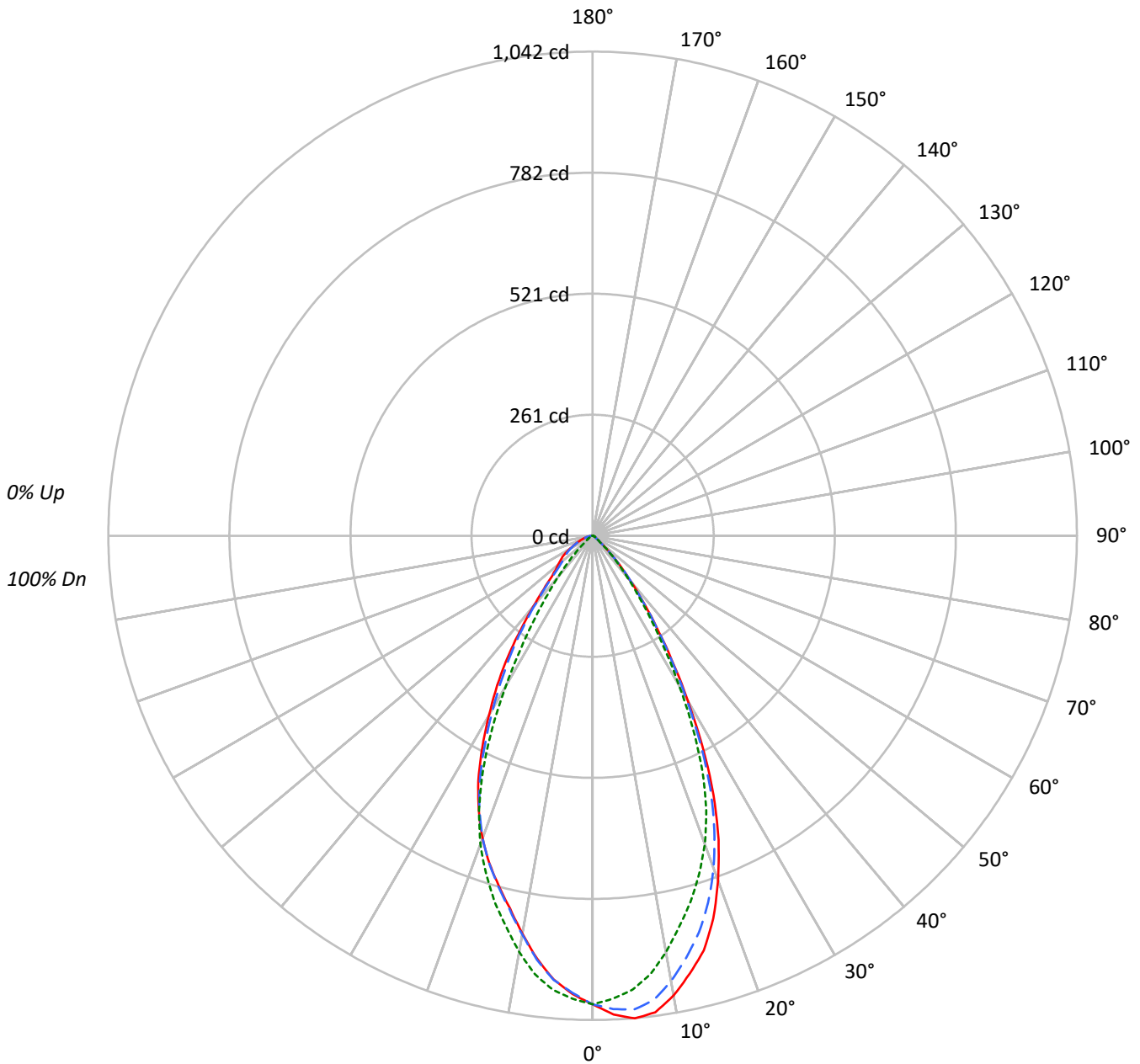
Lumens per Lamp: N/A
Luminaire Lumens: 868.0 lumens
Efficiency: N/A
Efficacy: 88.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.8
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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92																			
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85																			
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78																			
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73																			
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67																			
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63																			
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59																			
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55																			
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52																			
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	55270	55270	55270
5°	57368	53973	52751
10°	55905	50623	48396
15°	52429	46260	44257
20°	46029	41181	40394
25°	37224	33831	35228
30°	25877	23567	28194
35°	15948	14435	21275
40°	9024	8094	14134
45°	4380	4179	9644
50°	1672	1672	8196
55°	918	1080	7570
60°	669	855	6195
65°	558	739	5072
70°	481	625	4183
75°	466	635	3601
80°	284	537	2620
85°	252	1069	2453



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.3	10.6
10°-20°	232.0	26.7
20°-30°	261.1	30.1
30°-40°	161.7	18.6
40°-50°	64.4	7.4
50°-60°	29.3	3.4
60°-70°	16.9	1.9
70°-80°	8.0	0.9
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°	585.4	67.4
0°-40°	747.1	86.1
0°-60°	840.8	96.9
0°-90°	868.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	868.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1008	1008	1008	1008	1008	
5°	1042	1023	981	960	959	98
15°	924	884	815	782	780	256
25°	615	599	559	573	582	277
35°	238	237	216	300	318	153
45°	56	56	54	117	124	48
55°	10	9	11	70	79	10
65°	4	4	6	39	39	4
75°	2	2	3	16	17	2
85°	0	0	2	4	4	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°	1008.2	1008.2	1008.2	1008.2	1008.2	1008.2	1008.2	1008.2	1008.2
2.5°	1031.2	1021.7	1019.5	1011.2	997.3	989.5	984.7	981.2	987.3
5°	1042.5	1032.1	1023.4	1006.4	980.8	966.4	959.5	953.8	958.6
7.5°	1034.3	1019.5	1007.7	984.2	951.6	929.4	919.9	913.4	917.7
10°	1004.3	986.4	972.9	945.1	909.4	882.9	871.2	865.1	869.4
12.5°	965.1	950.3	929.9	899.4	861.2	833.3	824.6	819.8	821.6
15°	923.8	906.4	883.8	853.3	815.1	787.2	782.0	779.0	779.8
17.5°	863.8	846.8	827.2	797.7	762.4	739.8	739.8	737.6	738.9
20°	789.0	779.8	760.7	735.9	705.9	685.5	692.0	689.8	692.4
22.5°	708.1	701.1	684.6	664.1	638.9	622.8	637.2	636.7	640.2
25°	615.4	610.2	598.9	581.5	559.3	549.3	573.2	573.2	582.4
27.5°	513.2	508.0	500.2	485.4	467.1	464.1	499.3	503.7	513.7
30°	408.8	405.4	401.0	387.5	372.3	378.0	426.7	434.1	445.4
32.5°	315.8	313.6	312.3	300.1	286.6	305.3	361.0	370.6	381.9
35°	238.3	233.6	237.0	227.9	215.7	239.2	300.5	308.8	317.9
37.5°	175.7	172.2	175.3	168.8	157.9	183.5	241.4	246.6	252.7
40°	126.1	123.1	125.7	121.8	113.1	137.0	189.2	194.8	197.5
42.5°	89.6	84.4	87.0	83.9	79.6	103.1	148.7	154.0	154.8
45°	56.5	54.8	56.5	54.8	53.9	76.5	117.4	122.2	124.4
47.5°	34.4	32.2	32.2	31.3	32.2	56.5	97.0	103.9	107.4
50°	19.6	18.7	18.3	17.8	19.6	44.4	83.9	91.8	96.1
52.5°	13.0	12.6	12.6	12.2	14.4	37.4	75.7	82.6	87.0
55°	9.6	9.1	9.1	9.1	11.3	32.2	69.6	75.2	79.2
57.5°	7.4	7.4	7.4	7.0	9.6	27.4	62.2	65.2	68.3
60°	6.1	5.7	5.7	5.7	7.8	23.5	53.5	54.8	56.5
62.5°	4.8	4.8	4.8	4.8	6.5	20.9	46.1	46.1	47.0
65°	4.3	3.9	3.9	3.9	5.7	18.3	38.7	38.3	39.1
67.5°	3.5	3.5	3.5	3.5	4.8	15.7	31.7	31.3	32.2
70°	3.0	3.0	3.0	3.0	3.9	13.0	25.7	25.2	26.1
72.5°	2.6	2.6	2.6	2.6	3.5	10.9	20.4	20.4	20.9
75°	2.2	2.2	2.2	2.2	3.0	8.3	16.5	16.5	17.0
77.5°	1.7	1.7	1.7	1.7	2.2	6.5	12.6	12.2	12.2
80°	0.9	1.3	1.3	1.3	1.7	4.8	9.1	8.3	8.3
82.5°	0.4	0.9	0.9	0.9	1.7	3.5	6.1	5.7	5.7
85°	0.4	0.4	0.4	1.3	1.7	2.6	3.9	3.9	3.9
87.5°	0.0	0.4	0.9	1.7	2.2	2.2	2.6	2.2	2.2
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)