

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: P799349

Luminaire Tested: **LD6C10D010 EU6109050 6LBMDSWMW**

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: P799349
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 EU6109050 6LBMDSWMW
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

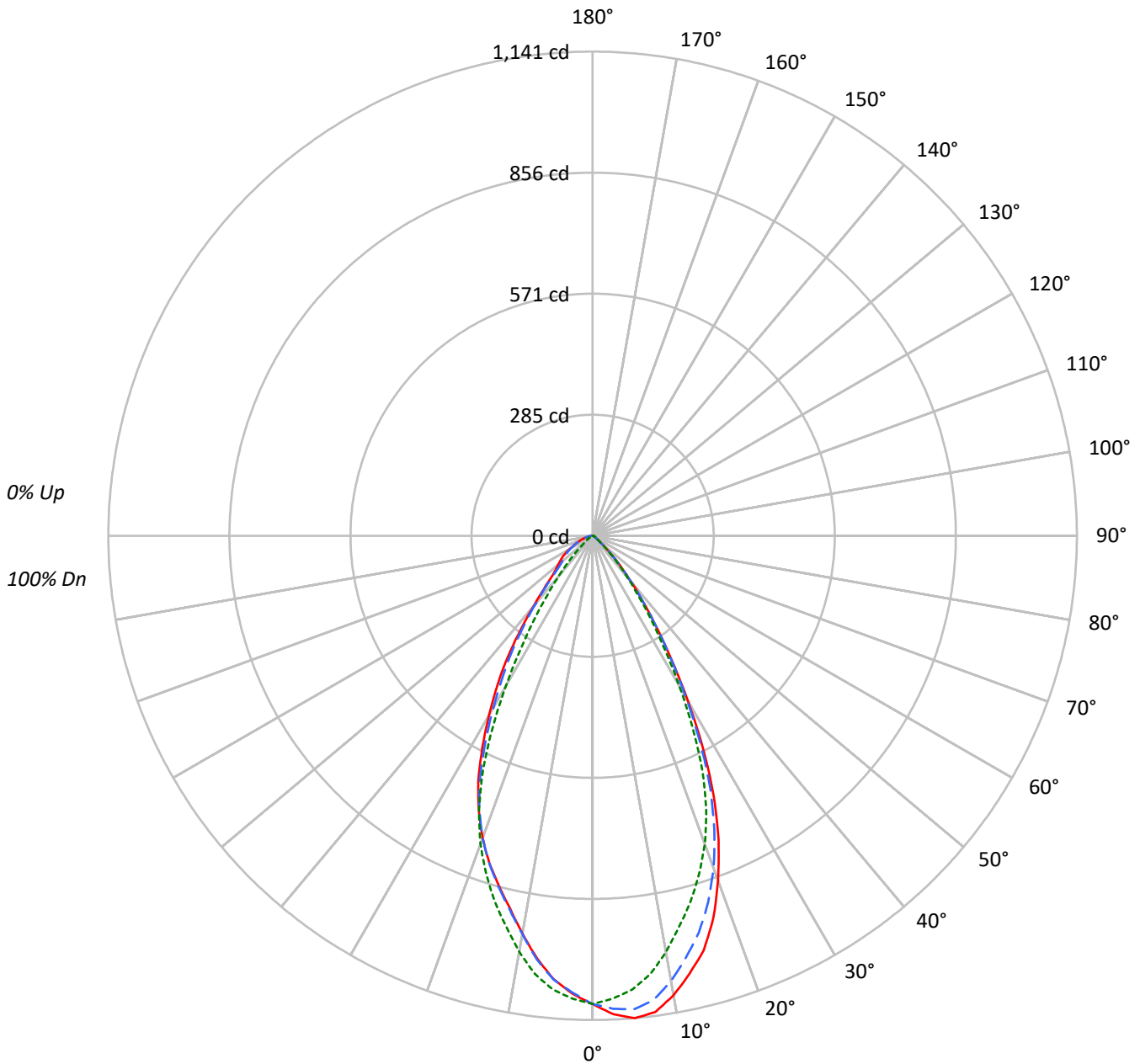
Lumens per Lamp: N/A
Luminaire Lumens: 950.0 lumens
Efficiency: N/A
Efficacy: 96.9 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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					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	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°	60489	60489	60489
5°	62789	59069	57732
10°	61182	55410	52972
15°	57384	50630	48440
20°	50375	45072	44209
25°	40744	37030	38555
30°	28327	25795	30853
35°	17460	15801	23289
40°	9876	8859	15465
45°	4799	4574	10551
50°	1825	1825	8972
55°	1004	1185	8277
60°	735	943	6787
65°	623	804	5552
70°	529	689	4584
75°	508	699	3940
80°	316	600	2841
85°	314	1195	2705



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.0	10.6
10°-20°	253.9	26.7
20°-30°	285.8	30.1
30°-40°	177.0	18.6
40°-50°	70.5	7.4
50°-60°	32.1	3.4
60°-70°	18.4	1.9
70°-80°	8.8	0.9
80°-90°	2.6	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°	640.7	67.4
0°-40°	817.7	86.1
0°-60°	920.3	96.9
0°-90°	950.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	950.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1103	1103	1103	1103	1103	
5°	1141	1120	1073	1050	1049	107
15°	1011	967	892	856	854	280
25°	674	656	612	627	637	303
35°	261	259	236	329	348	168
45°	62	62	59	128	136	52
55°	10	10	12	76	87	10
65°	5	4	6	42	43	5
75°	2	2	3	18	19	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°	1103.4	1103.4	1103.4	1103.4	1103.4	1103.4	1103.4	1103.4	1103.4
2.5°	1128.6	1118.2	1115.8	1106.7	1091.5	1082.9	1077.7	1073.9	1080.6
5°	1141.0	1129.6	1120.1	1101.5	1073.4	1057.7	1050.1	1043.9	1049.1
7.5°	1132.0	1115.8	1102.9	1077.2	1041.5	1017.3	1006.8	999.6	1004.4
10°	1099.1	1079.6	1064.9	1034.4	995.4	966.3	953.5	946.8	951.6
12.5°	1056.3	1040.1	1017.7	984.4	942.5	912.1	902.5	897.3	899.2
15°	1011.1	992.0	967.3	933.9	892.1	861.6	855.9	852.6	853.5
17.5°	945.4	926.8	905.4	873.0	834.5	809.7	809.7	807.3	808.8
20°	863.5	853.5	832.6	805.4	772.6	750.2	757.3	755.0	757.8
22.5°	775.0	767.3	749.3	726.9	699.3	681.7	697.4	696.9	700.7
25°	673.6	667.9	655.5	636.4	612.2	601.2	627.4	627.4	637.4
27.5°	561.7	556.0	547.4	531.2	511.2	507.9	546.5	551.2	562.2
30°	447.5	443.7	438.9	424.1	407.5	413.7	467.0	475.1	487.4
32.5°	345.6	343.2	341.8	328.5	313.7	334.2	395.1	405.6	417.9
35°	260.9	255.6	259.4	249.4	236.1	261.8	328.9	338.0	348.0
37.5°	192.3	188.5	191.8	184.7	172.8	200.9	264.2	269.9	276.6
40°	138.0	134.7	137.6	133.3	123.8	149.9	207.1	213.3	216.1
42.5°	98.1	92.3	95.2	91.9	87.1	112.8	162.8	168.5	169.5
45°	61.9	60.0	61.9	60.0	59.0	83.8	128.5	133.8	136.1
47.5°	37.6	35.2	35.2	34.3	35.2	61.9	106.2	113.8	117.6
50°	21.4	20.5	20.0	19.5	21.4	48.6	91.9	100.4	105.2
52.5°	14.3	13.8	13.8	13.3	15.7	40.9	82.8	90.4	95.2
55°	10.5	10.0	10.0	10.0	12.4	35.2	76.2	82.4	86.6
57.5°	8.1	8.1	8.1	7.6	10.5	30.0	68.1	71.4	74.7
60°	6.7	6.2	6.2	6.2	8.6	25.7	58.6	60.0	61.9
62.5°	5.2	5.2	5.2	5.2	7.1	22.8	50.5	50.5	51.4
65°	4.8	4.3	4.3	4.3	6.2	20.0	42.4	41.9	42.8
67.5°	3.8	3.8	3.8	3.8	5.2	17.1	34.7	34.3	35.2
70°	3.3	3.3	3.3	3.3	4.3	14.3	28.1	27.6	28.6
72.5°	2.9	2.9	2.9	2.9	3.8	11.9	22.4	22.4	22.8
75°	2.4	2.4	2.4	2.4	3.3	9.0	18.1	18.1	18.6
77.5°	1.9	1.9	1.9	1.9	2.4	7.1	13.8	13.3	13.3
80°	1.0	1.4	1.4	1.4	1.9	5.2	10.0	9.0	9.0
82.5°	0.5	1.0	1.0	1.0	1.9	3.8	6.7	6.2	6.2
85°	0.5	0.5	0.5	1.4	1.9	2.9	4.3	4.3	4.3
87.5°	0.0	0.5	1.0	1.9	2.4	2.4	2.9	2.4	2.4
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)