

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: P799351

Luminaire Tested: **LD6C10D010 EU6109050 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: P799351
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 6LBMDSWWMH
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

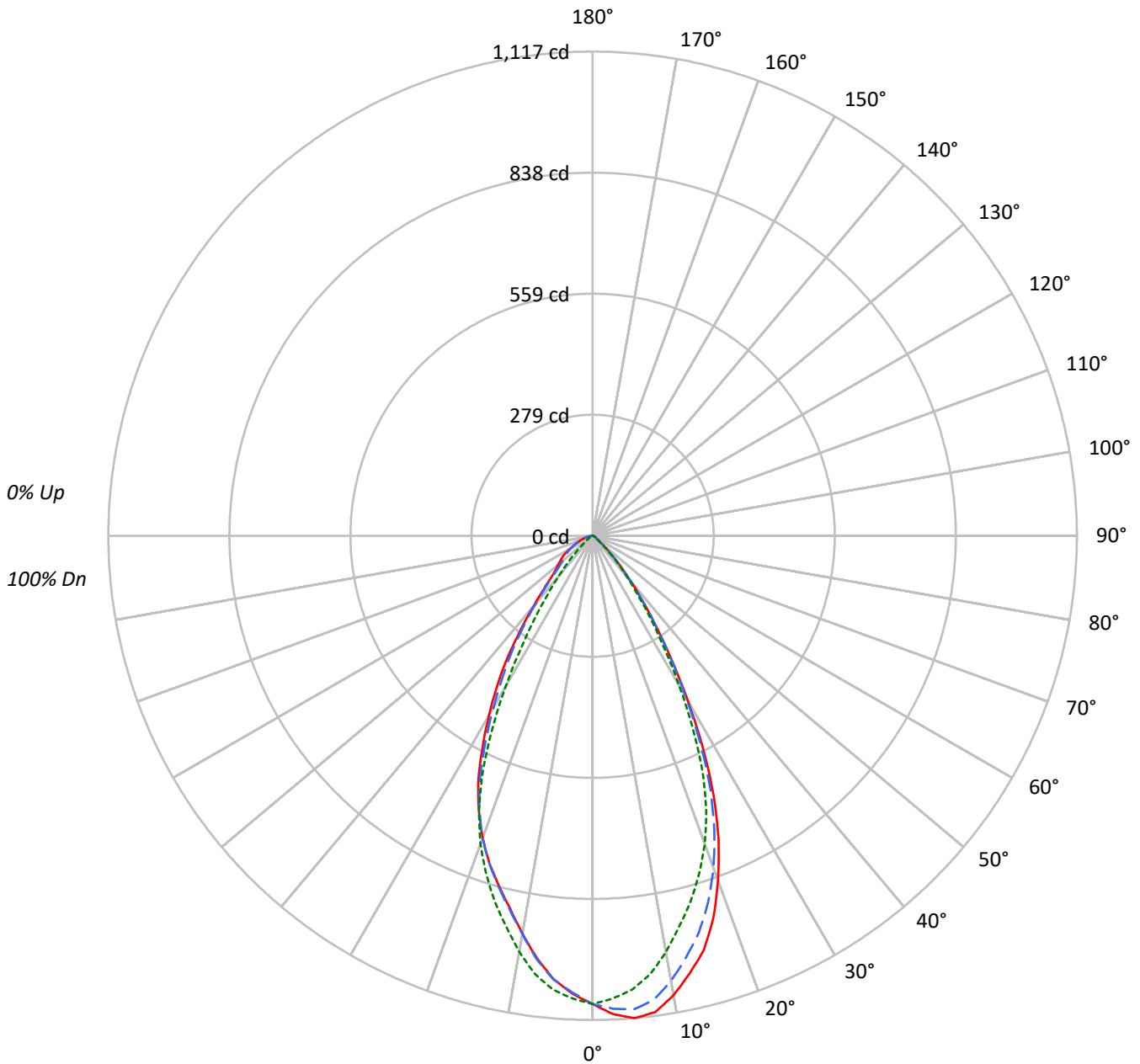
Lumens per Lamp: N/A
Luminaire Lumens: 930.0 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	59217	59217	59217
5°	61468	57825	56521
10°	59896	54241	51853
15°	56175	49563	47418
20°	49313	44121	43281
25°	39885	36250	37744
30°	27726	25251	30207
35°	17092	15466	22794
40°	9668	8673	15143
45°	4698	4481	10334
50°	1791	1791	8784
55°	984	1156	8105
60°	713	921	6644
65°	610	791	5435
70°	529	673	4488
75°	487	699	3855
80°	284	600	2810
85°	314	1195	2642



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.9	10.6
10°-20°	248.5	26.7
20°-30°	279.8	30.1
30°-40°	173.2	18.6
40°-50°	69.0	7.4
50°-60°	31.4	3.4
60°-70°	18.1	1.9
70°-80°	8.6	0.9
80°-90°	2.5	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°	627.2	67.4
0°-40°	800.5	86.1
0°-60°	900.9	96.9
0°-90°	930.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	930.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1080	1080	1080	1080	1080	
5°	1117	1096	1051	1028	1027	105
15°	990	947	873	838	836	274
25°	659	642	599	614	624	296
35°	255	254	231	322	341	164
45°	61	61	58	126	133	51
55°	10	10	12	75	85	10
65°	5	4	6	42	42	5
75°	2	2	3	18	18	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°	1080.2	1080.2	1080.2	1080.2	1080.2	1080.2	1080.2	1080.2	1080.2
2.5°	1104.9	1094.6	1092.3	1083.4	1068.5	1060.1	1055.0	1051.3	1057.8
5°	1117.0	1105.8	1096.5	1078.3	1050.8	1035.4	1028.0	1021.9	1027.1
7.5°	1108.1	1092.3	1079.7	1054.6	1019.6	995.8	985.6	978.6	983.3
10°	1076.0	1056.9	1042.4	1012.6	974.4	946.0	933.4	926.9	931.5
12.5°	1034.0	1018.2	996.3	963.7	922.7	892.9	883.5	878.4	880.3
15°	989.8	971.1	946.9	914.3	873.3	843.5	837.9	834.6	835.5
17.5°	925.5	907.3	886.3	854.6	816.9	792.7	792.7	790.3	791.7
20°	845.3	835.5	815.0	788.5	756.3	734.4	741.4	739.1	741.9
22.5°	758.6	751.2	733.5	711.6	684.6	667.3	682.7	682.2	685.9
25°	659.4	653.8	641.7	623.0	599.3	588.6	614.2	614.2	624.0
27.5°	549.9	544.3	535.9	520.1	500.5	497.2	535.0	539.6	550.3
30°	438.0	434.3	429.7	415.2	398.9	405.0	457.1	465.1	477.2
32.5°	338.3	336.0	334.6	321.5	307.1	327.1	386.8	397.0	409.1
35°	255.4	250.2	254.0	244.2	231.1	256.3	322.0	330.9	340.6
37.5°	188.3	184.5	187.8	180.8	169.2	196.7	258.6	264.2	270.7
40°	135.1	131.9	134.7	130.5	121.2	146.8	202.7	208.8	211.6
42.5°	96.0	90.4	93.2	89.9	85.3	110.4	159.4	165.0	165.9
45°	60.6	58.7	60.6	58.7	57.8	82.0	125.8	130.9	133.3
47.5°	36.8	34.5	34.5	33.6	34.5	60.6	103.9	111.4	115.1
50°	21.0	20.0	19.6	19.1	21.0	47.5	89.9	98.3	103.0
52.5°	14.0	13.5	13.5	13.0	15.4	40.1	81.1	88.5	93.2
55°	10.3	9.8	9.8	9.8	12.1	34.5	74.6	80.6	84.8
57.5°	7.9	7.9	7.9	7.5	10.3	29.4	66.6	69.9	73.2
60°	6.5	6.1	6.1	6.1	8.4	25.2	57.3	58.7	60.6
62.5°	5.1	5.1	5.1	5.1	7.0	22.4	49.4	49.4	50.3
65°	4.7	4.2	4.2	4.2	6.1	19.6	41.5	41.0	41.9
67.5°	3.7	3.7	3.7	3.7	5.1	16.8	34.0	33.6	34.5
70°	3.3	3.3	3.3	3.3	4.2	14.0	27.5	27.0	28.0
72.5°	2.8	2.8	2.8	2.8	3.7	11.6	21.9	21.9	22.4
75°	2.3	2.3	2.3	2.3	3.3	8.9	17.7	17.7	18.2
77.5°	1.9	1.9	1.9	1.9	2.3	7.0	13.5	13.0	13.0
80°	0.9	1.4	1.4	1.4	1.9	5.1	9.8	8.9	8.9
82.5°	0.5	0.9	0.9	0.9	1.9	3.7	6.5	6.1	6.1
85°	0.5	0.5	0.5	1.4	1.9	2.8	4.2	4.2	4.2
87.5°	0.0	0.5	0.9	1.9	2.3	2.3	2.8	2.3	2.3
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)