

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: P799319

Luminaire Tested: **LD6C10D010 EU6109035 6LBMDDWMW**

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: P799319
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-6)
Test Lab: INNOVATION CENTER
Issue Date: 4/12/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C10D010 EU6109035 6LBMDDWMW
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDDW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

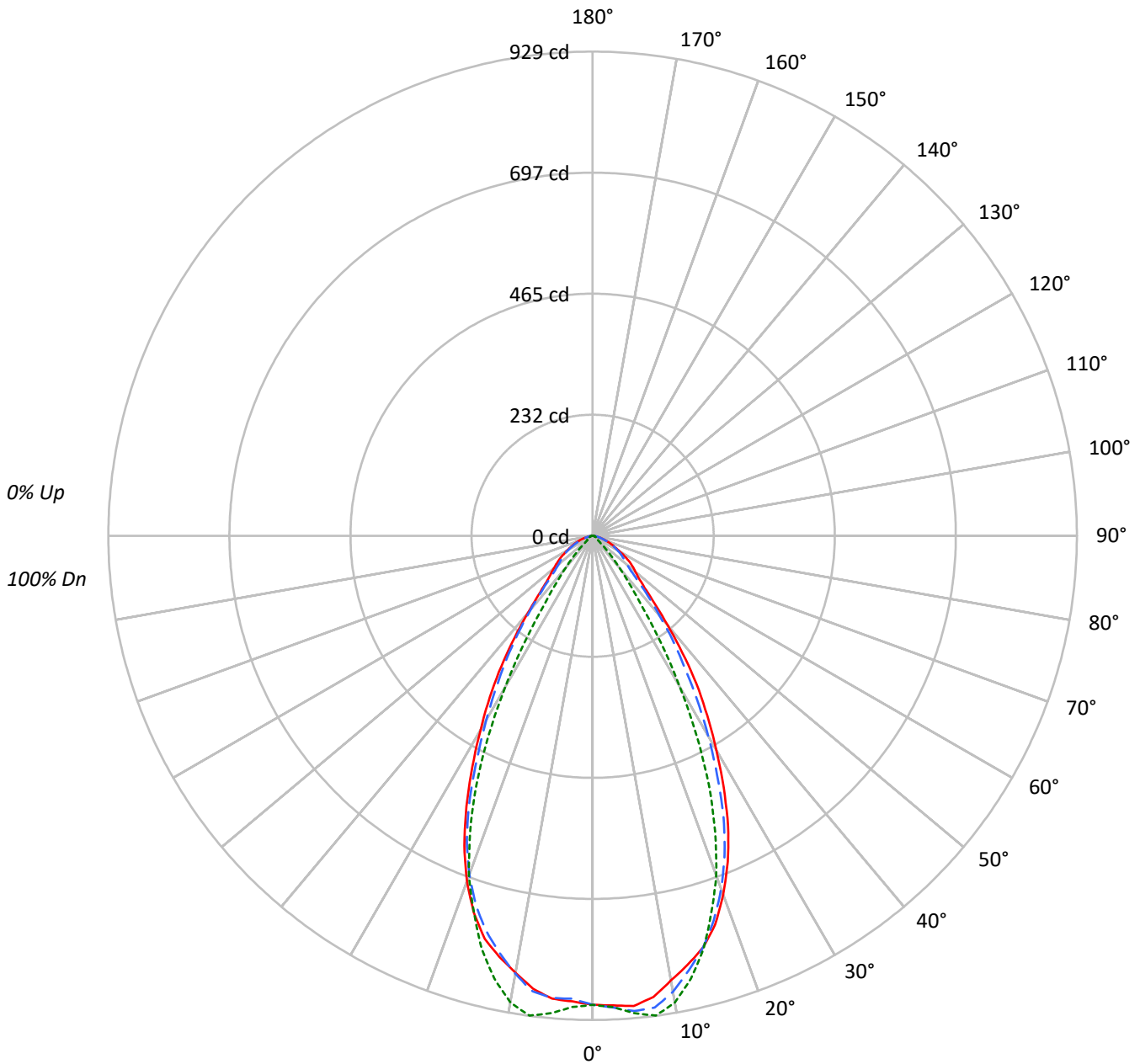
Lumens per Lamp: N/A
Luminaire Lumens: 916.0 lumens
Efficiency: N/A
Efficacy: 93.5 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	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	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91					91			
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83					83			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76					76			
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70					70			
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64					64			
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59					59			
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55					55			
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51					51			
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48					48			
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45					45			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	49327	49327	49327
5°	49840	50594	49059
10°	48223	50595	47383
15°	46413	46595	45426
20°	42721	40475	41117
25°	37176	31919	34629
30°	29986	21206	27200
35°	23249	10935	20432
40°	15951	5668	13754
45°	10931	2838	9652
50°	9091	1211	8273
55°	8181	1051	7388
60°	6469	1009	6173
65°	5344	895	5279
70°	4328	801	4328
75°	3198	868	3389
80°	1863	726	2020
85°	1447	881	1447



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.6	9.4
10°-20°	224.8	24.5
20°-30°	256.6	28.0
30°-40°	170.2	18.6
40°-50°	82.1	9.0
50°-60°	50.5	5.5
60°-70°	30.6	3.3
70°-80°	12.9	1.4
80°-90°	2.8	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°	567.0	61.9
0°-40°	737.2	80.5
0°-60°	869.8	95.0
0°-90°	916.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	916.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	900	900	900	900	900	
5°	906	915	919	890	892	85
15°	818	818	821	786	800	228
25°	615	594	528	558	572	279
35°	347	306	163	286	305	215
45°	141	124	37	115	124	115
55°	86	70	11	70	77	75
65°	41	39	7	37	41	41
75°	15	15	4	14	16	16
85°	2	3	1	2	2	3
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°	899.8	899.8	899.8	899.8	899.8	899.8	899.8	899.8	899.8
2.5°	902.0	903.4	906.2	906.6	905.2	896.6	889.2	892.0	894.3
5°	905.7	908.4	915.3	921.7	919.4	904.8	890.1	889.7	891.5
7.5°	892.4	898.8	913.0	929.0	928.6	903.4	881.9	876.4	876.4
10°	866.3	872.3	887.9	909.4	908.9	877.3	853.5	850.8	851.2
12.5°	843.0	845.8	853.5	870.5	870.5	839.3	821.0	823.8	827.4
15°	817.8	819.7	817.8	823.3	821.0	795.4	786.3	795.0	800.4
17.5°	782.1	783.1	773.4	766.1	757.4	741.4	743.7	756.5	757.9
20°	732.3	738.2	720.8	702.0	693.8	678.7	691.5	705.7	704.8
22.5°	677.3	684.2	661.8	630.7	613.7	607.8	630.7	643.5	643.0
25°	614.6	619.7	594.0	550.6	527.7	526.8	558.3	571.6	572.5
27.5°	544.2	546.0	517.2	460.4	432.0	438.9	478.7	497.0	499.3
30°	473.7	472.8	443.0	372.5	335.0	353.8	407.3	427.5	429.7
32.5°	409.1	406.4	372.5	288.3	243.5	271.4	341.9	362.9	366.6
35°	347.4	342.8	306.2	213.3	163.4	205.0	285.6	303.9	305.3
37.5°	282.8	280.5	251.7	159.7	114.0	155.6	232.9	246.2	244.8
40°	222.9	222.9	199.1	118.5	79.2	115.8	184.4	196.3	192.2
42.5°	174.8	177.1	157.0	87.4	56.3	86.0	146.0	157.0	152.4
45°	141.0	141.0	123.6	65.0	36.6	64.1	115.3	125.4	124.5
47.5°	119.4	117.6	100.2	47.6	20.1	48.1	97.0	109.4	108.9
50°	106.6	103.9	86.0	37.5	14.2	39.8	85.1	96.6	97.0
52.5°	96.6	92.4	77.3	33.4	12.4	34.8	77.3	86.5	86.5
55°	85.6	83.3	69.6	29.7	11.0	31.1	69.6	77.8	77.3
57.5°	72.3	71.9	62.2	27.0	10.1	27.5	62.2	67.3	65.4
60°	59.0	60.9	54.0	24.3	9.2	24.7	53.1	57.2	56.3
62.5°	49.4	51.7	47.1	21.5	7.8	22.0	44.9	49.0	48.1
65°	41.2	43.0	39.4	18.3	6.9	18.3	37.1	40.7	40.7
67.5°	33.9	35.2	32.5	15.1	5.9	15.1	30.2	33.4	33.9
70°	27.0	27.9	25.6	11.9	5.0	12.4	23.8	27.0	27.0
72.5°	21.1	21.5	20.1	9.6	4.6	9.6	18.3	21.1	21.1
75°	15.1	16.0	15.1	7.3	4.1	7.3	14.2	15.6	16.0
77.5°	8.7	11.0	11.0	5.9	3.2	5.5	10.1	10.5	10.5
80°	5.9	6.9	7.8	4.1	2.3	4.1	6.4	6.9	6.4
82.5°	4.1	4.6	4.6	2.7	1.8	2.7	4.1	4.6	4.1
85°	2.3	3.2	3.2	2.3	1.4	1.8	2.3	2.7	2.3
87.5°	1.4	1.8	2.3	1.8	1.4	1.4	1.4	1.4	0.9
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)