

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: P799323

Luminaire Tested: **LD6C10D010 EU6109035 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: P799323
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 EU6109035 6LBMDSWH
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

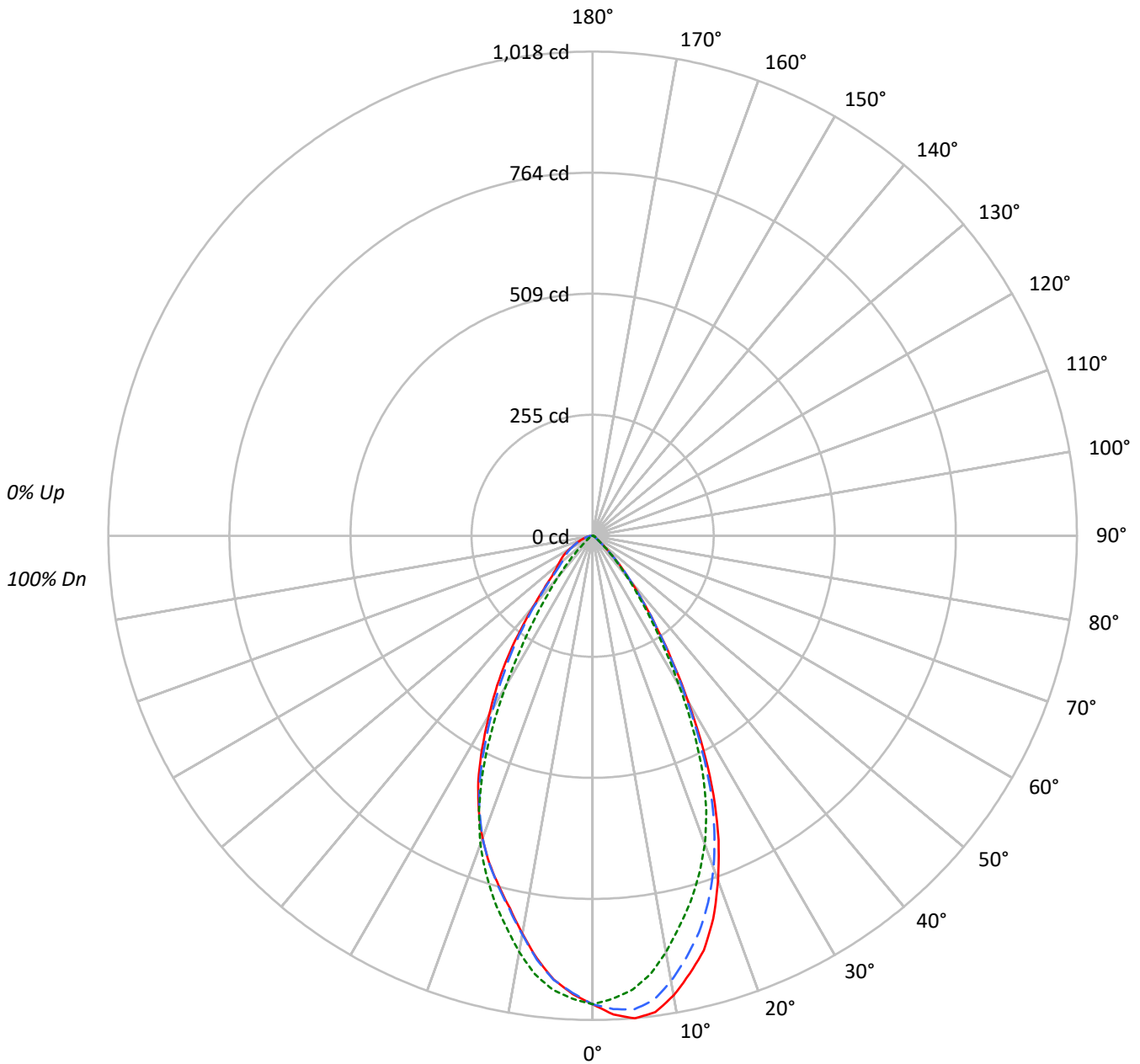
Lumens per Lamp: N/A
Luminaire Lumens: 847.9 lumens
Efficiency: N/A
Efficacy: 86.5 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.8
Input Voltage (V): NR
Input Current (Ain): 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°	53992	53992	53992
5°	56048	52729	51535
10°	54614	49459	47283
15°	51220	45193	43241
20°	44967	40230	39466
25°	36365	33050	34417
30°	25282	23023	27542
35°	15586	14107	20786
40°	8817	7908	13804
45°	4280	4086	9420
50°	1629	1629	8008
55°	889	1051	7388
60°	647	833	6052
65°	545	713	4955
70°	481	609	4087
75°	445	635	3516
80°	253	537	2557
85°	252	1069	2390



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.2	10.6
10°-20°	226.6	26.7
20°-30°	255.1	30.1
30°-40°	158.0	18.6
40°-50°	62.9	7.4
50°-60°	28.6	3.4
60°-70°	16.5	1.9
70°-80°	7.8	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°	571.9	67.4
0°-40°	729.9	86.1
0°-60°	821.4	96.9
0°-90°	847.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	847.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	985	985	985	985	985	
5°	1018	1000	958	937	936	96
15°	902	863	796	764	762	250
25°	601	585	546	560	569	270
35°	233	232	211	294	311	150
45°	55	55	53	115	122	47
55°	9	9	11	68	77	9
65°	4	4	6	38	38	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°	984.9	984.9	984.9	984.9	984.9	984.9	984.9	984.9	984.9
2.5°	1007.5	998.1	996.0	987.9	974.3	966.7	962.0	958.6	964.5
5°	1018.5	1008.3	999.8	983.2	958.2	944.1	937.4	931.8	936.5
7.5°	1010.4	996.0	984.5	961.6	929.7	908.0	898.7	892.3	896.6
10°	981.1	963.7	950.5	923.3	888.5	862.6	851.1	845.1	849.4
12.5°	942.9	928.4	908.5	878.7	841.3	814.1	805.6	801.0	802.7
15°	902.5	885.5	863.4	833.7	796.3	769.1	764.0	761.0	761.9
17.5°	843.9	827.3	808.2	779.3	744.9	722.8	722.8	720.6	721.9
20°	770.8	761.9	743.2	718.9	689.6	669.7	676.0	673.9	676.5
22.5°	691.8	685.0	668.8	648.8	624.2	608.5	622.5	622.1	625.5
25°	601.2	596.1	585.1	568.1	546.4	536.7	560.0	560.0	569.0
27.5°	501.4	496.3	488.6	474.2	456.4	453.4	487.8	492.0	501.8
30°	399.4	396.0	391.8	378.6	363.7	369.2	416.8	424.1	435.1
32.5°	308.5	306.4	305.1	293.2	280.0	298.3	352.7	362.0	373.1
35°	232.9	228.2	231.6	222.7	210.8	233.7	293.6	301.7	310.6
37.5°	171.7	168.3	171.2	164.9	154.2	179.3	235.8	240.9	246.9
40°	123.2	120.2	122.8	119.0	110.5	133.8	184.8	190.4	192.9
42.5°	87.5	82.4	85.0	82.0	77.8	100.7	145.3	150.4	151.3
45°	55.2	53.5	55.2	53.5	52.7	74.8	114.7	119.4	121.5
47.5°	33.6	31.4	31.4	30.6	31.4	55.2	94.8	101.6	105.0
50°	19.1	18.3	17.8	17.4	19.1	43.3	82.0	89.7	93.9
52.5°	12.7	12.3	12.3	11.9	14.0	36.5	73.9	80.7	85.0
55°	9.3	8.9	8.9	8.9	11.0	31.4	68.0	73.5	77.3
57.5°	7.2	7.2	7.2	6.8	9.3	26.8	60.8	63.7	66.7
60°	5.9	5.5	5.5	5.5	7.6	22.9	52.3	53.5	55.2
62.5°	4.7	4.7	4.7	4.7	6.4	20.4	45.0	45.0	45.9
65°	4.2	3.8	3.8	3.8	5.5	17.8	37.8	37.4	38.2
67.5°	3.4	3.4	3.4	3.4	4.7	15.3	31.0	30.6	31.4
70°	3.0	3.0	3.0	3.0	3.8	12.7	25.1	24.6	25.5
72.5°	2.5	2.5	2.5	2.5	3.4	10.6	20.0	20.0	20.4
75°	2.1	2.1	2.1	2.1	3.0	8.1	16.1	16.1	16.6
77.5°	1.7	1.7	1.7	1.7	2.1	6.4	12.3	11.9	11.9
80°	0.8	1.3	1.3	1.3	1.7	4.7	8.9	8.1	8.1
82.5°	0.4	0.8	0.8	0.8	1.7	3.4	5.9	5.5	5.5
85°	0.4	0.4	0.4	1.3	1.7	2.5	3.8	3.8	3.8
87.5°	0.0	0.4	0.8	1.7	2.1	2.1	2.5	2.1	2.1
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)