

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: P799884

Luminaire Tested: **LD6C55D010 EU6559050 6LBMDDWWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799884
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: LD6C55D010 EU6559050 6LBMDDWWH
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

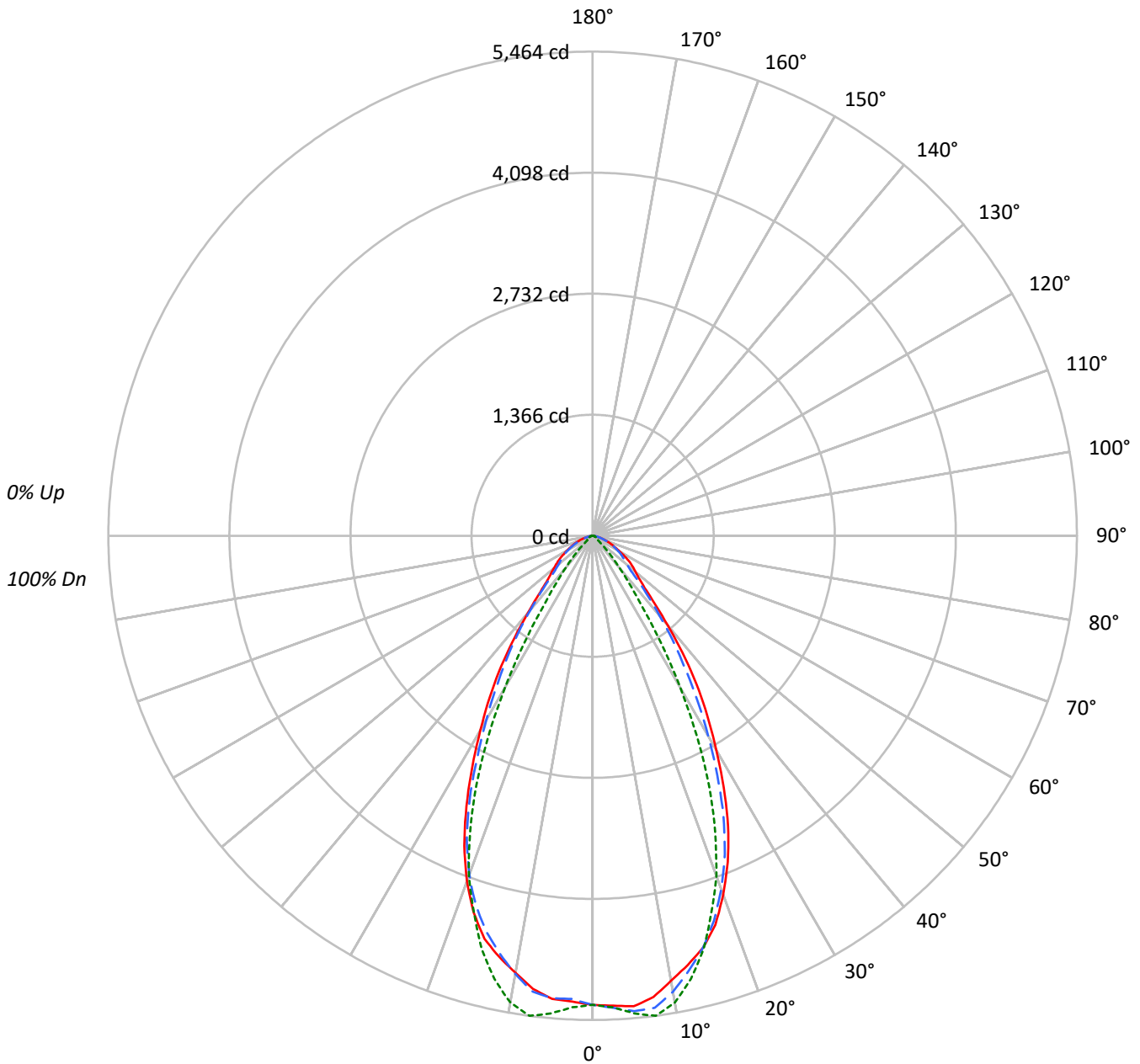
Lumens per Lamp: N/A
Luminaire Lumens: 5390.0 lumens
Efficiency: N/A
Efficacy: 84.4 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 63.9
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			
1	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91			
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70			
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64			
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59			
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55			
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51			
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48			
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	290240	290240	290240
5°	293275	297721	288680
10°	283773	297718	278825
15°	273123	274190	267311
20°	251369	238172	241941
25°	218765	187813	203776
30°	176432	124785	160069
35°	136791	64340	120207
40°	93854	33341	80945
45°	64301	16699	56789
50°	53516	7121	48689
55°	48132	6174	43497
60°	38089	5910	36313
65°	31443	5241	31093
70°	25469	4744	25469
75°	18830	5126	19974
80°	11049	4262	11902
85°	8491	5095	8491



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	504.0	9.4
10°-20°	1322.8	24.5
20°-30°	1509.9	28.0
30°-40°	1001.3	18.6
40°-50°	482.9	9.0
50°-60°	297.1	5.5
60°-70°	179.8	3.3
70°-80°	75.6	1.4
80°-90°	16.7	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°	3336.6	61.9
0°-40°	4337.9	80.5
0°-60°	5117.9	95.0
0°-90°	5390.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5390.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5294	5294	5294	5294	5294	
5°	5329	5386	5410	5238	5246	501
15°	4812	4812	4831	4626	4710	1341
25°	3617	3496	3105	3285	3369	1640
35°	2044	1802	961	1680	1796	1264
45°	829	727	215	679	732	676
55°	504	409	65	409	455	443
65°	242	232	40	218	240	243
75°	89	89	24	84	94	95
85°	14	19	8	14	14	17
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°	5294.4	5294.4	5294.4	5294.4	5294.4	5294.4	5294.4	5294.4	5294.4
2.5°	5307.9	5315.9	5332.1	5334.8	5326.7	5275.6	5232.5	5248.6	5262.1
5°	5329.4	5345.6	5386.0	5423.7	5410.2	5324.0	5237.9	5235.2	5245.9
7.5°	5251.3	5289.0	5372.5	5466.8	5464.1	5315.9	5189.4	5157.1	5157.1
10°	5097.8	5132.8	5224.4	5351.0	5348.3	5162.4	5022.4	5006.3	5008.9
12.5°	4960.5	4976.6	5022.4	5122.1	5122.1	4938.9	4831.2	4847.4	4868.9
15°	4812.4	4823.1	4812.4	4844.7	4831.2	4680.4	4626.5	4677.7	4710.0
17.5°	4602.3	4607.7	4551.1	4508.1	4456.9	4362.6	4376.1	4451.5	4459.6
20°	4308.8	4343.8	4241.4	4131.0	4082.6	3993.7	4069.1	4152.6	4147.2
22.5°	3985.6	4026.0	3894.1	3710.9	3611.3	3576.3	3710.9	3786.3	3783.6
25°	3616.7	3646.3	3495.5	3239.7	3105.0	3099.6	3285.4	3363.5	3368.9
27.5°	3202.0	3212.7	3043.1	2709.1	2542.2	2582.6	2816.9	2924.6	2938.0
30°	2787.2	2781.9	2606.8	2192.1	1971.3	2081.7	2396.8	2515.2	2528.7
32.5°	2407.5	2391.4	2192.1	1696.6	1432.7	1596.9	2011.7	2135.5	2157.1
35°	2044.0	2017.0	1801.6	1254.9	961.4	1206.5	1680.4	1788.1	1796.2
37.5°	1664.3	1650.8	1481.1	939.9	670.6	915.6	1370.7	1448.8	1440.7
40°	1311.5	1311.5	1171.4	697.5	465.9	681.3	1085.3	1155.3	1131.1
42.5°	1028.7	1042.2	923.7	514.4	331.2	506.3	859.1	923.7	896.8
45°	829.4	829.4	727.1	382.4	215.4	377.0	678.6	737.9	732.5
47.5°	702.9	692.1	589.8	280.1	118.5	282.8	570.9	643.6	640.9
50°	627.5	611.3	506.3	220.8	83.5	234.3	500.9	568.2	570.9
52.5°	568.2	544.0	455.1	196.6	72.7	204.7	455.1	509.0	509.0
55°	503.6	490.1	409.3	175.0	64.6	183.1	409.3	457.8	455.1
57.5°	425.5	422.8	366.2	158.9	59.2	161.6	366.2	395.9	385.1
60°	347.4	358.2	317.8	142.7	53.9	145.4	312.4	336.6	331.2
62.5°	290.8	304.3	277.4	126.6	45.8	129.3	263.9	288.1	282.8
65°	242.4	253.1	231.6	107.7	40.4	107.7	218.1	239.7	239.7
67.5°	199.3	207.4	191.2	88.9	35.0	88.9	177.7	196.6	199.3
70°	158.9	164.3	150.8	70.0	29.6	72.7	140.0	158.9	158.9
72.5°	123.9	126.6	118.5	56.6	26.9	56.6	107.7	123.9	123.9
75°	88.9	94.3	88.9	43.1	24.2	43.1	83.5	91.6	94.3
77.5°	51.2	64.6	64.6	35.0	18.9	32.3	59.2	61.9	61.9
80°	35.0	40.4	45.8	24.2	13.5	24.2	37.7	40.4	37.7
82.5°	24.2	26.9	26.9	16.2	10.8	16.2	24.2	26.9	24.2
85°	13.5	18.9	18.9	13.5	8.1	10.8	13.5	16.2	13.5
87.5°	8.1	10.8	13.5	10.8	8.1	8.1	8.1	8.1	5.4
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)