

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: P799887

Luminaire Tested: **LD6C55D010 EU6559050 6LBMDSWH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799887
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: LD6C55D010 EU6559050 6LBMDSWH
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

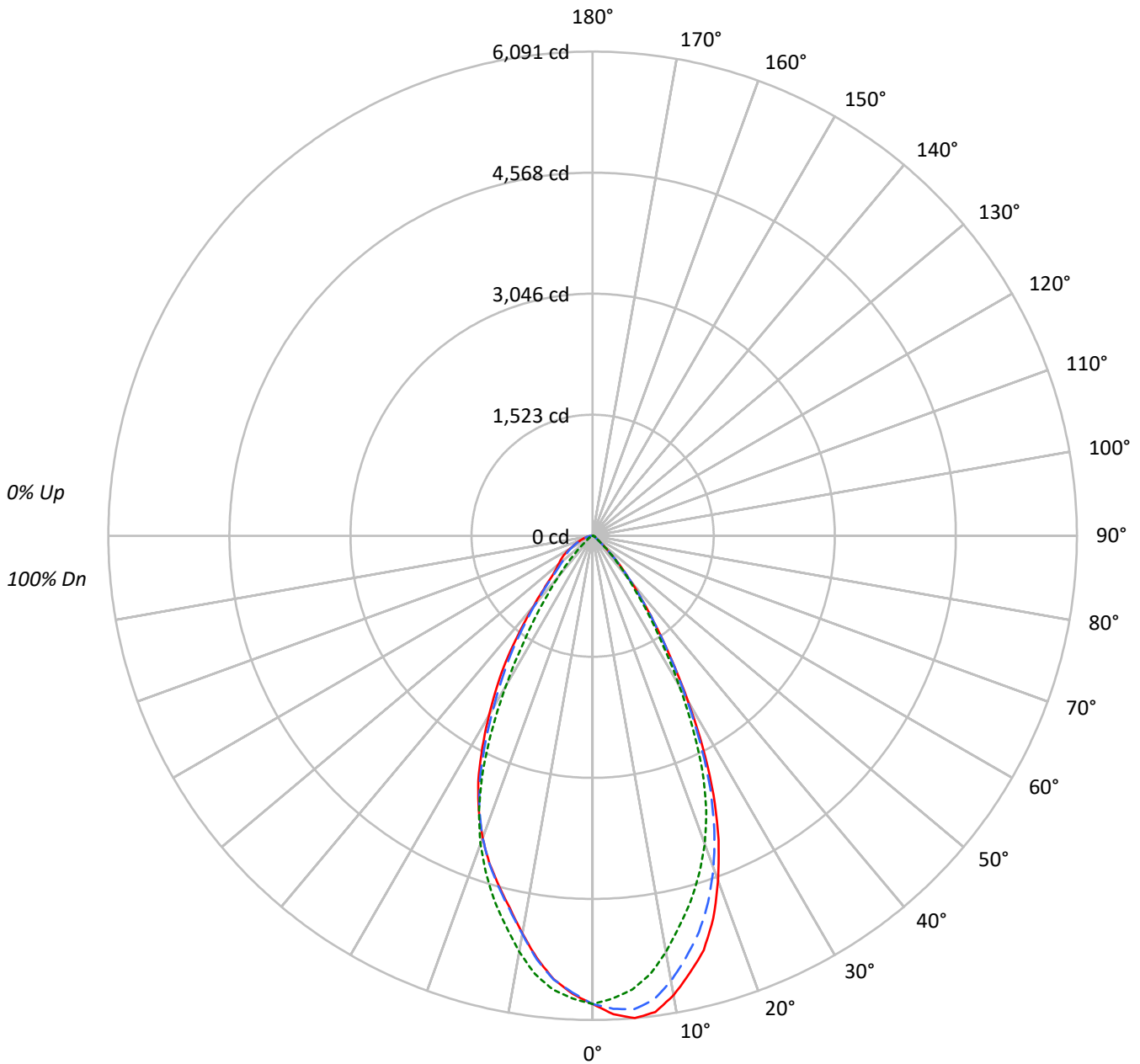
Lumens per Lamp: N/A
Luminaire Lumens: 5071.0 lumens
Efficiency: N/A
Efficacy: 79.4 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	322885	322885	322885
5°	335163	315308	308177
10°	326592	295758	282744
15°	306301	270246	258566
20°	268899	240582	235991
25°	217476	197655	205796
30°	151194	137679	164703
35°	93184	84343	124303
40°	52735	47274	82555
45°	25607	24429	56339
50°	9748	9748	47888
55°	5343	6318	44204
60°	3903	5011	36214
65°	3295	4281	29666
70°	2853	3670	24443
75°	2690	3770	20990
80°	1610	3220	15248
85°	1572	6416	14404



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	539.2	10.6
10°-20°	1355.2	26.7
20°-30°	1525.6	30.1
30°-40°	944.7	18.6
40°-50°	376.2	7.4
50°-60°	171.3	3.4
60°-70°	98.5	1.9
70°-80°	46.7	0.9
80°-90°	13.6	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°	3420.0	67.4
0°-40°	4364.7	86.1
0°-60°	4912.2	96.9
0°-90°	5071.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5071.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5890	5890	5890	5890	5890	
5°	6091	5979	5730	5605	5600	574
15°	5397	5163	4762	4569	4556	1493
25°	3595	3499	3268	3349	3402	1616
35°	1392	1385	1260	1756	1857	895
45°	330	330	315	686	727	280
55°	56	53	66	407	462	55
65°	25	23	33	226	229	25
75°	13	13	18	97	99	13
85°	2	2	10	23	23	2
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°	5889.9	5889.9	5889.9	5889.9	5889.9	5889.9	5889.9	5889.9	5889.9
2.5°	6024.6	5968.7	5956.0	5907.7	5826.4	5780.6	5752.7	5732.4	5767.9
5°	6090.6	6029.7	5978.8	5879.7	5729.8	5646.0	5605.3	5572.3	5600.2
7.5°	6042.4	5956.0	5887.4	5750.2	5559.6	5430.0	5374.1	5336.0	5361.4
10°	5867.0	5762.9	5684.1	5521.5	5313.1	5158.1	5089.5	5053.9	5079.3
12.5°	5638.3	5552.0	5432.5	5254.7	5031.1	4868.4	4817.6	4789.7	4799.8
15°	5397.0	5295.3	5163.2	4985.3	4761.7	4599.1	4568.6	4550.8	4555.9
17.5°	5046.3	4947.2	4832.9	4660.1	4454.3	4322.1	4322.1	4309.4	4317.1
20°	4609.3	4555.9	4444.1	4299.3	4123.9	4004.5	4042.6	4029.9	4045.2
22.5°	4136.7	4096.0	3999.4	3880.0	3732.6	3638.6	3722.5	3719.9	3740.3
25°	3595.4	3564.9	3498.9	3397.2	3267.7	3209.2	3349.0	3349.0	3402.3
27.5°	2998.3	2967.8	2922.1	2835.7	2729.0	2711.2	2917.0	2942.4	3000.9
30°	2388.5	2368.2	2342.7	2264.0	2175.0	2208.1	2492.7	2535.9	2601.9
32.5°	1844.7	1832.0	1824.4	1753.2	1674.5	1783.7	2109.0	2164.9	2230.9
35°	1392.4	1364.5	1384.8	1331.5	1260.3	1397.5	1755.8	1804.1	1857.4
37.5°	1026.5	1006.2	1024.0	985.9	922.4	1072.3	1410.2	1440.7	1476.3
40°	736.9	719.1	734.3	711.5	660.6	800.4	1105.3	1138.3	1153.6
42.5°	523.4	492.9	508.2	490.4	465.0	602.2	869.0	899.5	904.6
45°	330.3	320.2	330.3	320.2	315.1	447.2	686.1	714.0	726.7
47.5°	200.7	188.0	188.0	182.9	188.0	330.3	566.6	607.3	627.6
50°	114.3	109.3	106.7	104.2	114.3	259.2	490.4	536.1	561.5
52.5°	76.2	73.7	73.7	71.1	83.9	218.5	442.1	482.8	508.2
55°	55.9	53.4	53.4	53.4	66.1	188.0	406.6	439.6	462.5
57.5°	43.2	43.2	43.2	40.7	55.9	160.1	363.4	381.1	398.9
60°	35.6	33.0	33.0	33.0	45.7	137.2	312.5	320.2	330.3
62.5°	28.0	28.0	28.0	28.0	38.1	122.0	269.3	269.3	274.4
65°	25.4	22.9	22.9	22.9	33.0	106.7	226.1	223.6	228.7
67.5°	20.3	20.3	20.3	20.3	28.0	91.5	185.5	182.9	188.0
70°	17.8	17.8	17.8	17.8	22.9	76.2	149.9	147.4	152.5
72.5°	15.2	15.2	15.2	15.2	20.3	63.5	119.4	119.4	122.0
75°	12.7	12.7	12.7	12.7	17.8	48.3	96.6	96.6	99.1
77.5°	10.2	10.2	10.2	10.2	12.7	38.1	73.7	71.1	71.1
80°	5.1	7.6	7.6	7.6	10.2	28.0	53.4	48.3	48.3
82.5°	2.5	5.1	5.1	5.1	10.2	20.3	35.6	33.0	33.0
85°	2.5	2.5	2.5	7.6	10.2	15.2	22.9	22.9	22.9
87.5°	0.0	2.5	5.1	10.2	12.7	12.7	15.2	12.7	12.7
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)