

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: P799849

Luminaire Tested: **LD6C55D010 EU6559030 6LBMDDWWMH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799849
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 EU6559030 6LBMDDWWMH
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

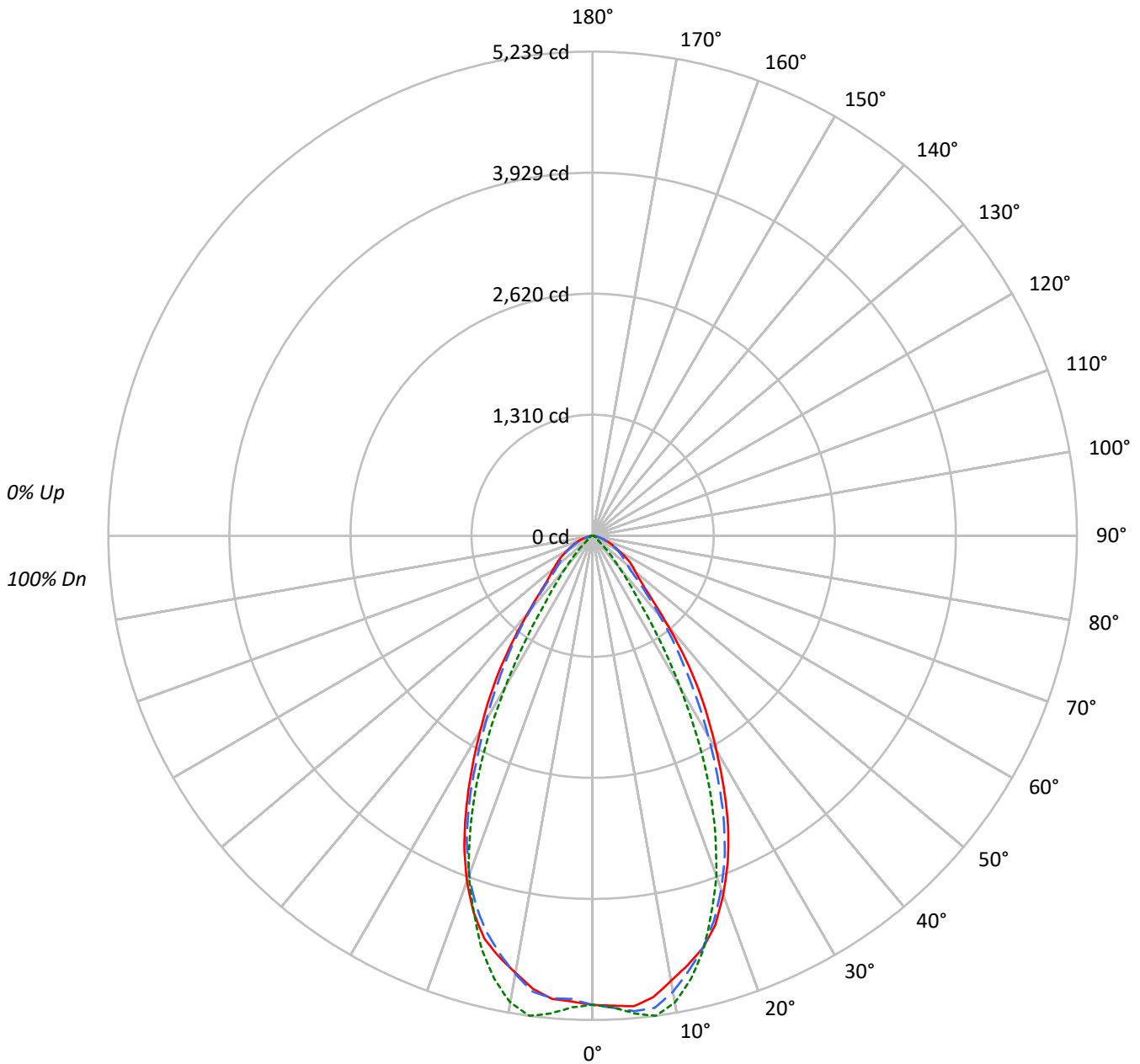
Lumens per Lamp: N/A
Luminaire Lumens: 5168.0 lumens
Efficiency: N/A
Efficacy: 80.9 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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			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°	278284	278284	278284
5°	281196	285460	276793
10°	272084	285455	267341
15°	261874	262896	256301
20°	241013	228360	231977
25°	209752	180077	195386
30°	169165	119645	153479
35°	131156	61690	115255
40°	89990	31967	77610
45°	61658	16017	54448
50°	51307	6823	46685
55°	46144	5926	41709
60°	36521	5657	34822
65°	30146	5020	29809
70°	24411	4552	24411
75°	18046	4914	19148
80°	10607	4072	11397
85°	8114	4843	8114



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	483.2	9.4
10°-20°	1268.3	24.5
20°-30°	1447.7	28.0
30°-40°	960.1	18.6
40°-50°	463.1	9.0
50°-60°	284.8	5.5
60°-70°	172.4	3.3
70°-80°	72.5	1.4
80°-90°	16.0	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°	3199.2	61.9
0°-40°	4159.2	80.5
0°-60°	4907.1	95.0
0°-90°	5168.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5168.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5076	5076	5076	5076	5076	
5°	5110	5164	5187	5022	5030	480
15°	4614	4614	4632	4436	4516	1286
25°	3468	3352	2977	3150	3230	1572
35°	1960	1727	922	1611	1722	1212
45°	795	697	207	651	702	649
55°	483	392	62	392	436	424
65°	232	222	39	209	230	233
75°	85	85	23	80	90	91
85°	13	18	8	13	13	16
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°	5076.3	5076.3	5076.3	5076.3	5076.3	5076.3	5076.3	5076.3	5076.3
2.5°	5089.3	5097.0	5112.5	5115.1	5107.3	5058.3	5017.0	5032.4	5045.4
5°	5109.9	5125.4	5164.1	5200.3	5187.4	5104.7	5022.1	5019.5	5029.9
7.5°	5035.0	5071.2	5151.2	5241.6	5239.0	5097.0	4975.6	4944.7	4944.7
10°	4887.8	4921.4	5009.2	5130.6	5128.0	4949.8	4815.6	4800.1	4802.6
12.5°	4756.2	4771.7	4815.6	4911.1	4911.1	4735.5	4632.2	4647.7	4668.4
15°	4614.2	4624.5	4614.2	4645.1	4632.2	4487.6	4436.0	4485.0	4516.0
17.5°	4412.7	4417.9	4363.7	4322.4	4273.3	4182.9	4195.9	4268.2	4275.9
20°	4131.3	4164.9	4066.8	3960.9	3914.4	3829.2	3901.5	3981.5	3976.4
22.5°	3821.5	3860.2	3733.7	3558.1	3462.5	3429.0	3558.1	3630.4	3627.8
25°	3467.7	3496.1	3351.5	3106.2	2977.1	2972.0	3150.1	3225.0	3230.2
27.5°	3070.1	3080.4	2917.7	2597.6	2437.5	2476.2	2700.8	2804.1	2817.0
30°	2672.4	2667.3	2499.4	2101.8	1890.1	1995.9	2298.0	2411.6	2424.6
32.5°	2308.4	2292.9	2101.8	1626.7	1373.7	1531.2	1928.8	2047.6	2068.2
35°	1959.8	1934.0	1727.4	1203.2	921.8	1156.8	1611.2	1714.5	1722.2
37.5°	1595.7	1582.8	1420.1	901.1	642.9	877.9	1314.3	1389.2	1381.4
40°	1257.5	1257.5	1123.2	668.8	446.7	653.3	1040.6	1107.7	1084.5
42.5°	986.3	999.3	885.6	493.2	317.6	485.4	823.7	885.6	859.8
45°	795.3	795.3	697.2	366.7	206.6	361.5	650.7	707.5	702.3
47.5°	673.9	663.6	565.5	268.5	113.6	271.1	547.4	617.1	614.5
50°	601.6	586.1	485.4	211.7	80.0	224.6	480.3	544.8	547.4
52.5°	544.8	521.6	436.4	188.5	69.7	196.2	436.4	488.0	488.0
55°	482.8	469.9	392.5	167.8	62.0	175.6	392.5	439.0	436.4
57.5°	408.0	405.4	351.2	152.3	56.8	154.9	351.2	379.6	369.2
60°	333.1	343.4	304.7	136.8	51.6	139.4	299.5	322.8	317.6
62.5°	278.9	291.8	266.0	121.4	43.9	123.9	253.0	276.3	271.1
65°	232.4	242.7	222.1	103.3	38.7	103.3	209.1	229.8	229.8
67.5°	191.1	198.8	183.3	85.2	33.6	85.2	170.4	188.5	191.1
70°	152.3	157.5	144.6	67.1	28.4	69.7	134.3	152.3	152.3
72.5°	118.8	121.4	113.6	54.2	25.8	54.2	103.3	118.8	118.8
75°	85.2	90.4	85.2	41.3	23.2	41.3	80.0	87.8	90.4
77.5°	49.1	62.0	62.0	33.6	18.1	31.0	56.8	59.4	59.4
80°	33.6	38.7	43.9	23.2	12.9	23.2	36.1	38.7	36.1
82.5°	23.2	25.8	25.8	15.5	10.3	15.5	23.2	25.8	23.2
85°	12.9	18.1	18.1	12.9	7.7	10.3	12.9	15.5	12.9
87.5°	7.7	10.3	12.9	10.3	7.7	7.7	7.7	7.7	5.2
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)