

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: P799847

Luminaire Tested: **LD6C55D010 EU6559030 6LBMDDWMW**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799847
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 6LBMDDWMW
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

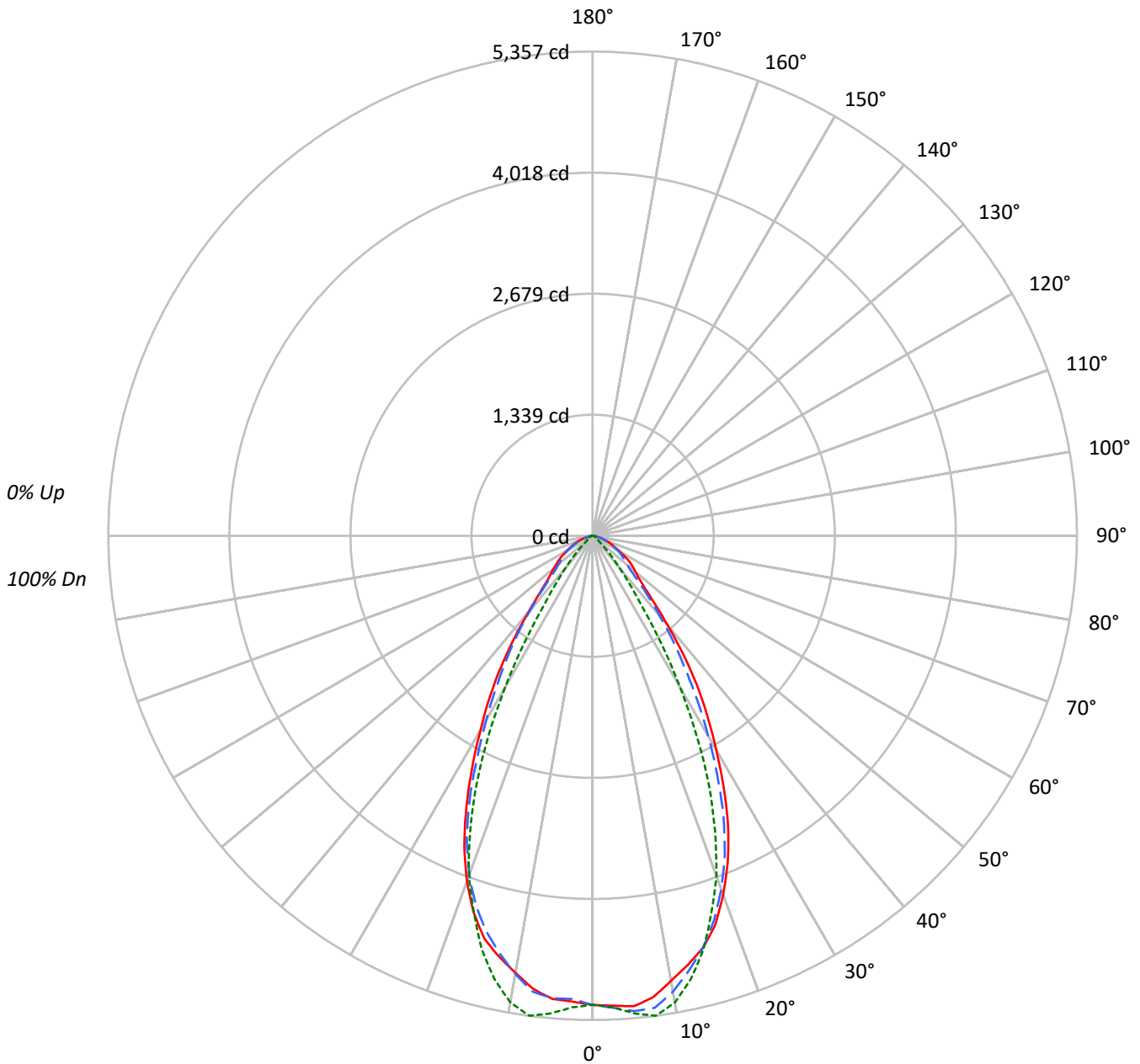
Lumens per Lamp: N/A
Luminaire Lumens: 5284.0 lumens
Efficiency: N/A
Efficacy: 82.7 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	284533	284533	284533
5°	287508	291866	283006
10°	278196	291862	273342
15°	267748	268798	262056
20°	246421	233488	237181
25°	214458	184117	199772
30°	172963	122329	156923
35°	134100	63075	117845
40°	92008	32683	79349
45°	63038	16374	55672
50°	52459	6976	47734
55°	47186	6060	42646
60°	37343	5789	35600
65°	30820	5137	30483
70°	24972	4648	24972
75°	18449	5041	19571
80°	10828	4167	11681
85°	8303	4969	8303



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	494.1	9.4
10°-20°	1296.8	24.5
20°-30°	1480.2	28.0
30°-40°	981.6	18.6
40°-50°	473.4	9.0
50°-60°	291.2	5.5
60°-70°	176.2	3.3
70°-80°	74.1	1.4
80°-90°	16.4	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°	3271.0	61.9
0°-40°	4252.6	80.5
0°-60°	5017.3	95.0
0°-90°	5284.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5284.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5190	5190	5190	5190	5190	
5°	5225	5280	5304	5135	5143	491
15°	4718	4718	4736	4536	4617	1315
25°	3546	3427	3044	3221	3303	1608
35°	2004	1766	942	1647	1761	1239
45°	813	713	211	665	718	663
55°	494	401	63	401	446	434
65°	238	227	40	214	235	239
75°	87	87	24	82	92	93
85°	13	18	8	13	13	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°	5190.3	5190.3	5190.3	5190.3	5190.3	5190.3	5190.3	5190.3	5190.3
2.5°	5203.5	5211.4	5227.2	5229.9	5222.0	5171.8	5129.6	5145.4	5158.6
5°	5224.6	5240.4	5280.0	5317.0	5303.8	5219.3	5134.8	5132.2	5142.8
7.5°	5148.0	5185.0	5266.8	5359.2	5356.6	5211.4	5087.3	5055.6	5055.6
10°	4997.6	5031.9	5121.6	5245.7	5243.1	5060.9	4923.6	4907.8	4910.4
12.5°	4862.9	4878.8	4923.6	5021.3	5021.3	4841.8	4736.2	4752.0	4773.2
15°	4717.7	4728.3	4717.7	4749.4	4736.2	4588.4	4535.6	4585.7	4617.4
17.5°	4511.8	4517.1	4461.6	4419.4	4369.2	4276.8	4290.0	4364.0	4371.9
20°	4224.0	4258.4	4158.0	4049.8	4002.3	3915.2	3989.1	4070.9	4065.6
22.5°	3907.2	3946.8	3817.5	3637.9	3540.3	3505.9	3637.9	3711.9	3709.2
25°	3545.5	3574.6	3426.7	3175.9	3043.9	3038.7	3220.8	3297.4	3302.7
27.5°	3139.0	3149.5	2983.2	2655.9	2492.2	2531.8	2761.5	2867.1	2880.3
30°	2732.4	2727.1	2555.5	2149.0	1932.5	2040.7	2349.6	2465.8	2479.0
32.5°	2360.2	2344.3	2149.0	1663.2	1404.5	1565.5	1972.1	2093.5	2114.7
35°	2003.8	1977.4	1766.2	1230.3	942.5	1182.7	1647.4	1753.0	1760.9
37.5°	1631.5	1618.3	1452.0	921.4	657.4	897.6	1343.8	1420.3	1412.4
40°	1285.7	1285.7	1148.4	683.8	456.7	667.9	1063.9	1132.6	1108.8
42.5°	1008.5	1021.7	905.5	504.2	324.7	496.3	842.2	905.5	879.1
45°	813.1	813.1	712.8	374.9	211.2	369.6	665.3	723.4	718.1
47.5°	689.0	678.5	578.2	274.6	116.2	277.2	559.7	631.0	628.3
50°	615.1	599.3	496.3	216.5	81.8	229.7	491.0	557.0	559.7
52.5°	557.0	533.3	446.2	192.7	71.3	200.6	446.2	499.0	499.0
55°	493.7	480.5	401.3	171.6	63.4	179.5	401.3	448.8	446.2
57.5°	417.1	414.5	359.0	155.8	58.1	158.4	359.0	388.1	377.5
60°	340.6	351.1	311.5	139.9	52.8	142.6	306.2	330.0	324.7
62.5°	285.1	298.3	271.9	124.1	44.9	126.7	258.7	282.5	277.2
65°	237.6	248.2	227.0	105.6	39.6	105.6	213.8	235.0	235.0
67.5°	195.4	203.3	187.4	87.1	34.3	87.1	174.2	192.7	195.4
70°	155.8	161.0	147.8	68.6	29.0	71.3	137.3	155.8	155.8
72.5°	121.4	124.1	116.2	55.4	26.4	55.4	105.6	121.4	121.4
75°	87.1	92.4	87.1	42.2	23.8	42.2	81.8	89.8	92.4
77.5°	50.2	63.4	63.4	34.3	18.5	31.7	58.1	60.7	60.7
80°	34.3	39.6	44.9	23.8	13.2	23.8	37.0	39.6	37.0
82.5°	23.8	26.4	26.4	15.8	10.6	15.8	23.8	26.4	23.8
85°	13.2	18.5	18.5	13.2	7.9	10.6	13.2	15.8	13.2
87.5°	7.9	10.6	13.2	10.6	7.9	7.9	7.9	7.9	5.3
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)