

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: P799867

Luminaire Tested: **LD6C55D010 EU6559035 6LBMDSWWMH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799867
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 EU6559035 6LBMDSWWMH
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

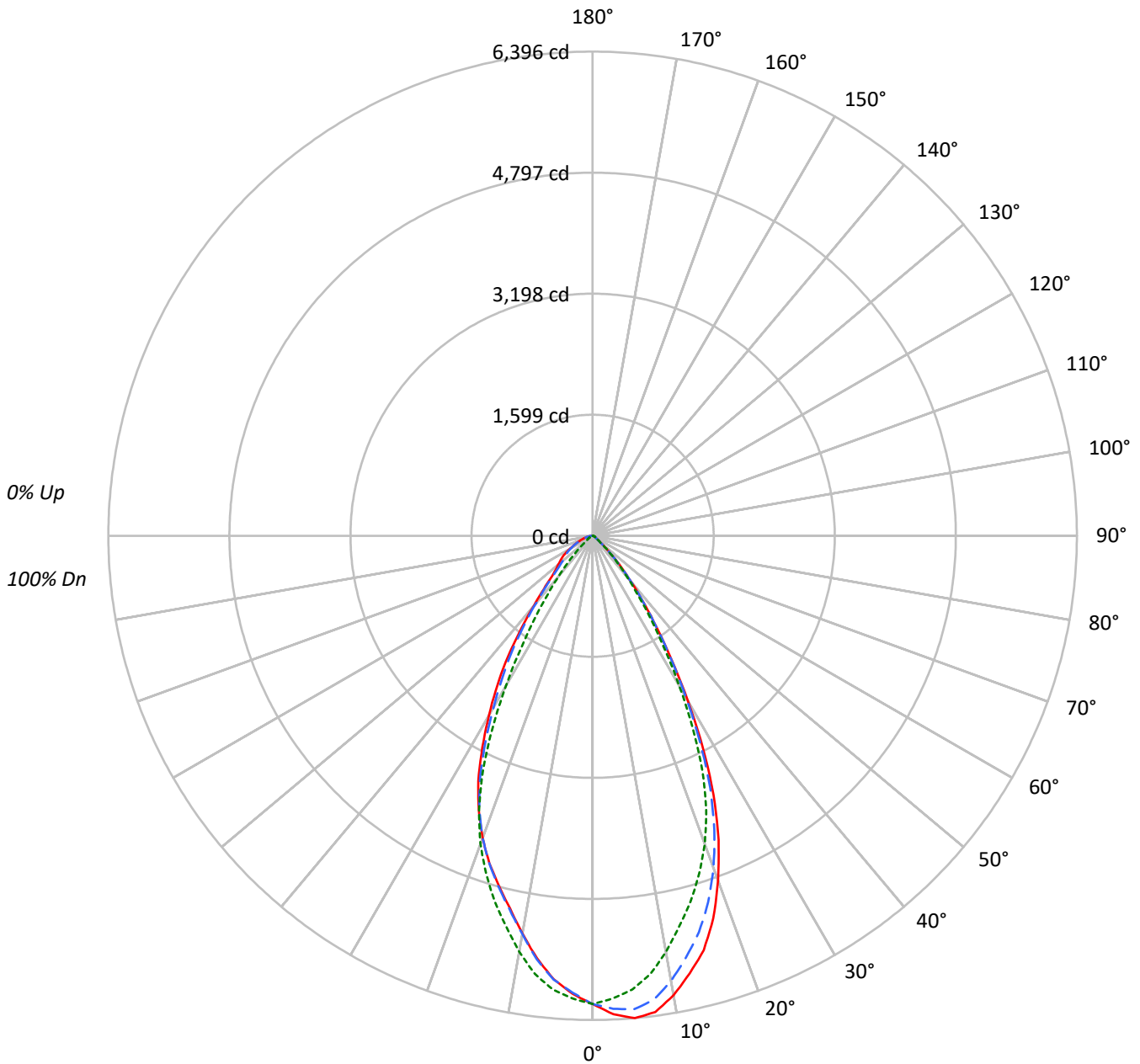
Lumens per Lamp: N/A
Luminaire Lumens: 5325.0 lumens
Efficiency: N/A
Efficacy: 83.3 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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					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°	339057	339057	339057
5°	351953	331102	323612
10°	342952	310571	296911
15°	321642	283781	271517
20°	282364	252634	247810
25°	228370	207550	216103
30°	158765	144579	172957
35°	97855	88566	130533
40°	55375	49643	86691
45°	26894	25654	59161
50°	10243	10243	50293
55°	5610	6633	46412
60°	4101	5263	38034
65°	3463	4501	31145
70°	2997	3847	25661
75°	2817	3961	22049
80°	1673	3378	16006
85°	1698	6730	15096



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	566.2	10.6
10°-20°	1423.1	26.7
20°-30°	1602.0	30.1
30°-40°	992.0	18.6
40°-50°	395.0	7.4
50°-60°	179.9	3.4
60°-70°	103.4	1.9
70°-80°	49.1	0.9
80°-90°	14.3	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°	3591.3	67.4
0°-40°	4583.3	86.1
0°-60°	5158.2	96.9
0°-90°	5325.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5325.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6185	6185	6185	6185	6185	
5°	6396	6278	6017	5886	5881	602
15°	5667	5422	5000	4797	4784	1568
25°	3776	3674	3431	3517	3573	1697
35°	1462	1454	1323	1844	1950	940
45°	347	347	331	720	763	294
55°	59	56	69	427	486	58
65°	27	24	35	238	240	26
75°	13	13	19	101	104	14
85°	3	3	11	24	24	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°	6184.9	6184.9	6184.9	6184.9	6184.9	6184.9	6184.9	6184.9	6184.9
2.5°	6326.3	6267.6	6254.3	6203.6	6118.2	6070.2	6040.8	6019.5	6056.8
5°	6395.7	6331.7	6278.3	6174.2	6016.8	5928.8	5886.1	5851.4	5880.7
7.5°	6345.0	6254.3	6182.3	6038.2	5838.1	5702.0	5643.3	5603.2	5629.9
10°	6160.9	6051.5	5968.8	5798.0	5579.2	5416.5	5344.4	5307.1	5333.8
12.5°	5920.8	5830.0	5704.6	5517.9	5283.1	5112.3	5058.9	5029.6	5040.3
15°	5667.3	5560.6	5421.8	5235.0	5000.2	4829.5	4797.4	4778.8	4784.1
17.5°	5299.1	5195.0	5074.9	4893.5	4677.4	4538.6	4538.6	4525.3	4533.3
20°	4840.1	4784.1	4666.7	4514.6	4330.5	4205.1	4245.1	4231.8	4247.8
22.5°	4343.9	4301.2	4199.8	4074.4	3919.6	3820.9	3908.9	3906.3	3927.6
25°	3775.5	3743.5	3674.1	3567.4	3431.3	3370.0	3516.7	3516.7	3572.7
27.5°	3148.5	3116.5	3068.4	2977.7	2865.7	2847.0	3063.1	3089.8	3151.2
30°	2508.1	2486.8	2460.1	2377.4	2284.0	2318.7	2617.5	2662.9	2732.3
32.5°	1937.1	1923.8	1915.8	1841.1	1758.4	1873.1	2214.6	2273.3	2342.7
35°	1462.2	1432.8	1454.2	1398.1	1323.4	1467.5	1843.7	1894.4	1950.5
37.5°	1078.0	1056.6	1075.3	1035.3	968.6	1126.0	1480.9	1512.9	1550.2
40°	773.8	755.1	771.1	747.1	693.7	840.5	1160.7	1195.4	1211.4
42.5°	549.7	517.6	533.6	515.0	488.3	632.4	912.5	944.5	949.9
45°	346.9	336.2	346.9	336.2	330.9	469.6	720.4	749.8	763.1
47.5°	210.8	197.4	197.4	192.1	197.4	346.9	595.0	637.7	659.0
50°	120.1	114.7	112.1	109.4	120.1	272.2	515.0	563.0	589.7
52.5°	80.0	77.4	77.4	74.7	88.1	229.5	464.3	507.0	533.6
55°	58.7	56.0	56.0	56.0	69.4	197.4	426.9	461.6	485.6
57.5°	45.4	45.4	45.4	42.7	58.7	168.1	381.6	400.2	418.9
60°	37.4	34.7	34.7	34.7	48.0	144.1	328.2	336.2	346.9
62.5°	29.4	29.4	29.4	29.4	40.0	128.1	282.8	282.8	288.2
65°	26.7	24.0	24.0	24.0	34.7	112.1	237.5	234.8	240.1
67.5°	21.3	21.3	21.3	21.3	29.4	96.1	194.8	192.1	197.4
70°	18.7	18.7	18.7	18.7	24.0	80.0	157.4	154.8	160.1
72.5°	16.0	16.0	16.0	16.0	21.3	66.7	125.4	125.4	128.1
75°	13.3	13.3	13.3	13.3	18.7	50.7	101.4	101.4	104.1
77.5°	10.7	10.7	10.7	10.7	13.3	40.0	77.4	74.7	74.7
80°	5.3	8.0	8.0	8.0	10.7	29.4	56.0	50.7	50.7
82.5°	2.7	5.3	5.3	5.3	10.7	21.3	37.4	34.7	34.7
85°	2.7	2.7	2.7	8.0	10.7	16.0	24.0	24.0	24.0
87.5°	0.0	2.7	5.3	10.7	13.3	13.3	16.0	13.3	13.3
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)