

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: P799879

Luminaire Tested: **LD6C55D010 EU6559040 6LBMDSWWMH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799879
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 EU6559040 6LBMDSWWMH
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

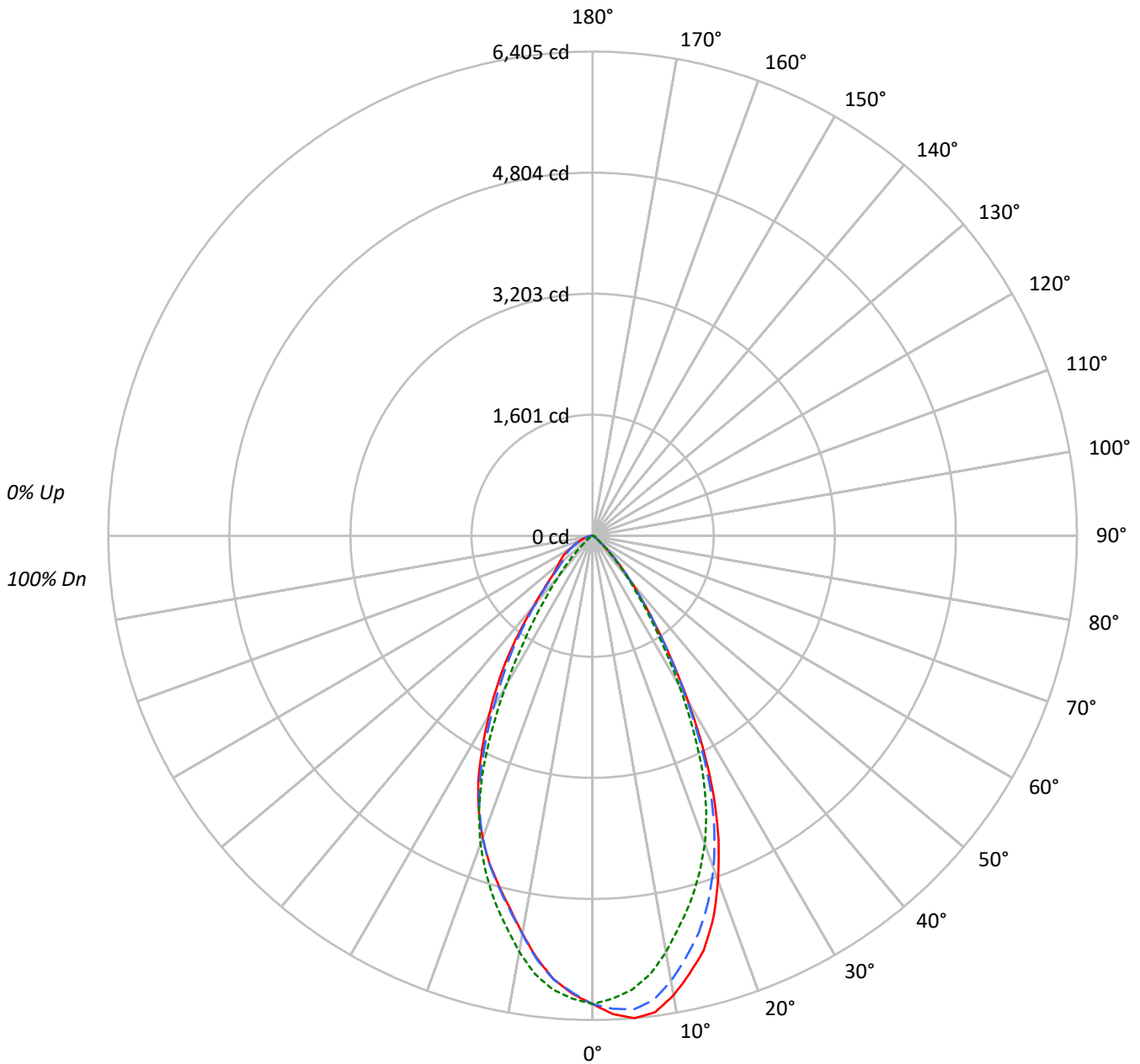
Lumens per Lamp: N/A
Luminaire Lumens: 5333.0 lumens
Efficiency: N/A
Efficacy: 83.5 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	339567	339567	339567
5°	352481	331603	324102
10°	343469	311039	297356
15°	322124	284207	271926
20°	282790	253014	248183
25°	228715	207865	216430
30°	159005	144794	173217
35°	98002	88700	130728
40°	55454	49722	86820
45°	26933	25693	59254
50°	10260	10260	50369
55°	5620	6643	46479
60°	4101	5274	38089
65°	3463	4501	31197
70°	2997	3863	25693
75°	2838	3961	22070
80°	1673	3378	16037
85°	1698	6730	15159



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	567.1	10.6
10°-20°	1425.2	26.7
20°-30°	1604.4	30.1
30°-40°	993.5	18.6
40°-50°	395.6	7.4
50°-60°	180.1	3.4
60°-70°	103.5	1.9
70°-80°	49.2	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°	3596.7	67.4
0°-40°	4590.2	86.1
0°-60°	5166.0	96.9
0°-90°	5333.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5333.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6194	6194	6194	6194	6194	
5°	6405	6288	6026	5895	5890	603
15°	5676	5430	5008	4805	4791	1570
25°	3781	3680	3436	3522	3578	1700
35°	1464	1456	1325	1846	1953	941
45°	347	347	331	722	764	294
55°	59	56	70	428	486	58
65°	27	24	35	238	240	26
75°	13	13	19	102	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°	6194.2	6194.2	6194.2	6194.2	6194.2	6194.2	6194.2	6194.2	6194.2
2.5°	6335.8	6277.1	6263.7	6212.9	6127.4	6079.3	6049.9	6028.5	6065.9
5°	6405.3	6341.2	6287.7	6183.5	6025.9	5937.7	5894.9	5860.2	5889.6
7.5°	6354.5	6263.7	6191.5	6047.2	5846.8	5710.5	5651.8	5611.7	5638.4
10°	6170.2	6060.6	5977.8	5806.7	5587.6	5424.6	5352.5	5315.1	5341.8
12.5°	5929.7	5838.8	5713.2	5526.2	5291.0	5120.0	5066.5	5037.1	5047.8
15°	5675.8	5568.9	5430.0	5242.9	5007.7	4836.7	4804.7	4786.0	4791.3
17.5°	5307.0	5202.8	5082.6	4900.9	4684.4	4545.5	4545.5	4532.1	4540.1
20°	4847.4	4791.3	4673.7	4521.4	4337.0	4211.4	4251.5	4238.1	4254.2
22.5°	4350.4	4307.6	4206.1	4080.5	3925.5	3826.6	3914.8	3912.1	3933.5
25°	3781.2	3749.1	3679.7	3572.8	3436.5	3375.0	3522.0	3522.0	3578.1
27.5°	3153.2	3121.2	3073.1	2982.2	2870.0	2851.3	3067.7	3094.4	3155.9
30°	2511.9	2490.5	2463.8	2381.0	2287.4	2322.2	2621.5	2666.9	2736.4
32.5°	1940.0	1926.7	1918.7	1843.8	1761.0	1875.9	2217.9	2276.7	2346.2
35°	1464.4	1435.0	1456.4	1400.2	1325.4	1469.7	1846.5	1897.3	1953.4
37.5°	1079.6	1058.2	1076.9	1036.8	970.0	1127.7	1483.1	1515.2	1552.6
40°	774.9	756.2	772.3	748.2	694.8	841.8	1162.4	1197.2	1213.2
42.5°	550.5	518.4	534.4	515.7	489.0	633.3	913.9	946.0	951.3
45°	347.4	336.7	347.4	336.7	331.4	470.3	721.5	750.9	764.3
47.5°	211.1	197.7	197.7	192.4	197.7	347.4	595.9	638.7	660.0
50°	120.3	114.9	112.2	109.6	120.3	272.6	515.7	563.8	590.6
52.5°	80.2	77.5	77.5	74.8	88.2	229.8	465.0	507.7	534.4
55°	58.8	56.1	56.1	56.1	69.5	197.7	427.6	462.3	486.3
57.5°	45.4	45.4	45.4	42.8	58.8	168.4	382.1	400.8	419.5
60°	37.4	34.7	34.7	34.7	48.1	144.3	328.7	336.7	347.4
62.5°	29.4	29.4	29.4	29.4	40.1	128.3	283.3	283.3	288.6
65°	26.7	24.1	24.1	24.1	34.7	112.2	237.8	235.2	240.5
67.5°	21.4	21.4	21.4	21.4	29.4	96.2	195.1	192.4	197.7
70°	18.7	18.7	18.7	18.7	24.1	80.2	157.7	155.0	160.3
72.5°	16.0	16.0	16.0	16.0	21.4	66.8	125.6	125.6	128.3
75°	13.4	13.4	13.4	13.4	18.7	50.8	101.5	101.5	104.2
77.5°	10.7	10.7	10.7	10.7	13.4	40.1	77.5	74.8	74.8
80°	5.3	8.0	8.0	8.0	10.7	29.4	56.1	50.8	50.8
82.5°	2.7	5.3	5.3	5.3	10.7	21.4	37.4	34.7	34.7
85°	2.7	2.7	2.7	8.0	10.7	16.0	24.1	24.1	24.1
87.5°	0.0	2.7	5.3	10.7	13.4	13.4	16.0	13.4	13.4
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)