

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: P799885

Luminaire Tested: **LD6C55D010 EU6559050 6LBMDDWWMH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799885
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 EU6559050 6LBMDDWWMH
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

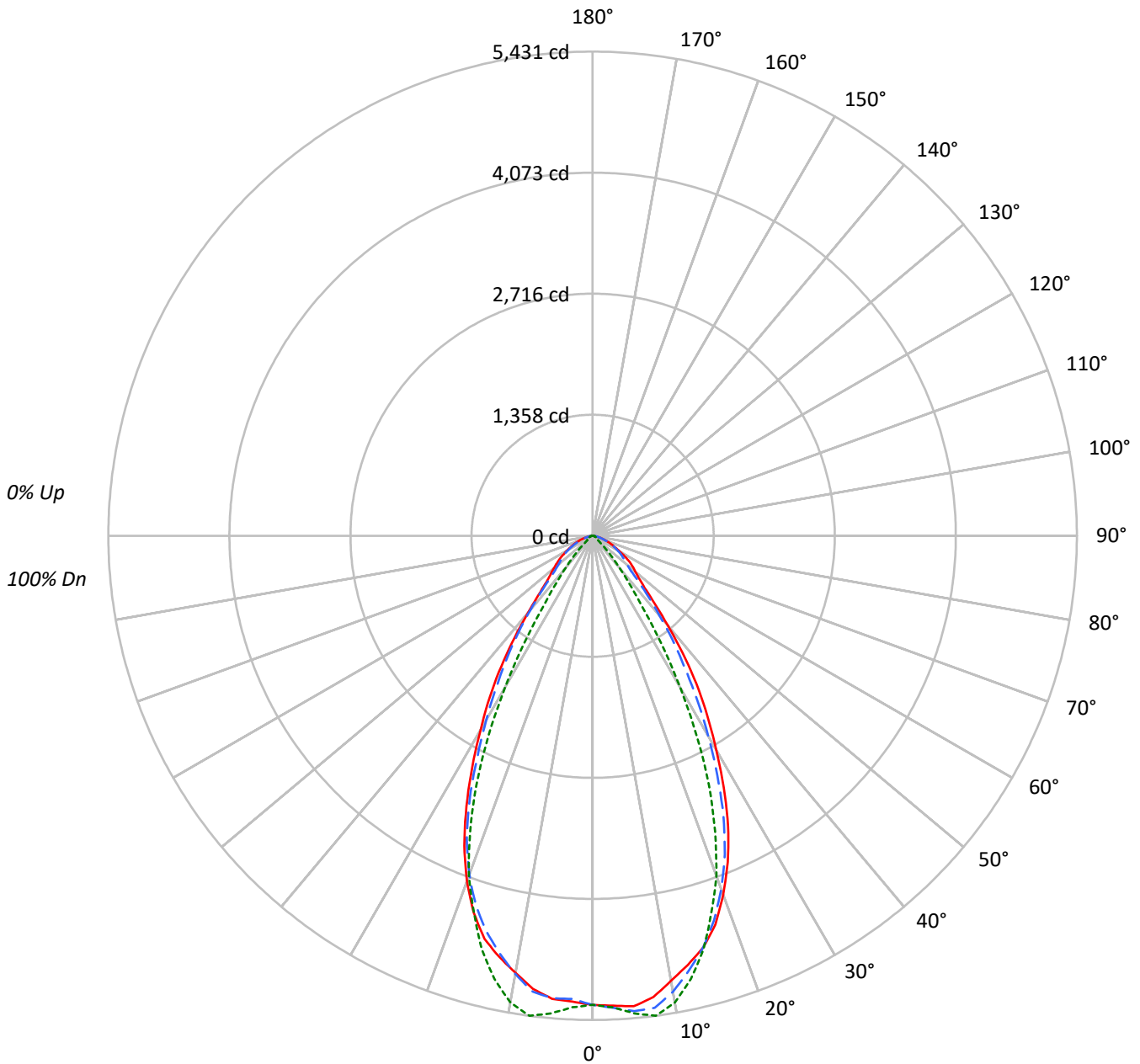
Lumens per Lamp: N/A
Luminaire Lumens: 5357.0 lumens
Efficiency: N/A
Efficacy: 83.8 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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									
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	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°	288464	288464	288464
5°	291481	295900	286913
10°	282037	295892	277121
15°	271449	272510	265677
20°	249828	236714	240459
25°	217422	186664	202530
30°	175356	124019	159088
35°	135954	63945	119471
40°	93282	33134	80444
45°	63914	16599	56440
50°	53184	7079	48391
55°	47836	6136	43229
60°	37859	5866	36094
65°	31248	5202	30898
70°	25309	4712	25309
75°	18703	5105	19846
80°	10986	4230	11839
85°	8428	5032	8428



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	500.9	9.4
10°-20°	1314.7	24.5
20°-30°	1500.6	28.0
30°-40°	995.2	18.6
40°-50°	480.0	9.0
50°-60°	295.3	5.5
60°-70°	178.7	3.3
70°-80°	75.2	1.4
80°-90°	16.6	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°	3316.2	61.9
0°-40°	4311.3	80.5
0°-60°	5086.6	95.0
0°-90°	5357.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5357.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5262	5262	5262	5262	5262	
5°	5297	5353	5377	5206	5214	498
15°	4783	4783	4802	4598	4681	1333
25°	3594	3474	3086	3265	3348	1630
35°	2032	1791	956	1670	1785	1256
45°	824	723	214	674	728	672
55°	500	407	64	407	452	440
65°	241	230	40	217	238	242
75°	88	88	24	83	94	94
85°	13	19	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°	5262.0	5262.0	5262.0	5262.0	5262.0	5262.0	5262.0	5262.0	5262.0
2.5°	5275.4	5283.4	5299.5	5302.1	5294.1	5243.3	5200.4	5216.5	5229.9
5°	5296.8	5312.8	5353.0	5390.5	5377.1	5291.4	5205.8	5203.1	5213.8
7.5°	5219.2	5256.6	5339.6	5433.3	5430.6	5283.4	5157.6	5125.5	5125.5
10°	5066.6	5101.4	5192.4	5318.2	5315.5	5130.8	4991.7	4975.6	4978.3
12.5°	4930.1	4946.2	4991.7	5090.7	5090.7	4908.7	4801.6	4817.7	4839.1
15°	4782.9	4793.6	4782.9	4815.0	4801.6	4651.7	4598.2	4649.1	4681.2
17.5°	4574.1	4579.5	4523.3	4480.5	4429.6	4335.9	4349.3	4424.2	4432.3
20°	4282.4	4317.2	4215.5	4105.7	4057.6	3969.2	4044.2	4127.2	4121.8
22.5°	3961.2	4001.4	3870.2	3688.2	3589.2	3554.4	3688.2	3763.2	3760.5
25°	3594.5	3624.0	3474.1	3219.8	3086.0	3080.6	3265.3	3342.9	3348.3
27.5°	3182.4	3193.1	3024.4	2692.6	2526.6	2566.8	2799.6	2906.7	2920.1
30°	2770.2	2764.8	2590.8	2178.7	1959.2	2068.9	2382.1	2499.8	2513.2
32.5°	2392.8	2376.7	2178.7	1686.2	1423.9	1587.2	1999.3	2122.5	2143.9
35°	2031.5	2004.7	1790.6	1247.2	955.5	1199.1	1670.1	1777.2	1785.2
37.5°	1654.1	1640.7	1472.1	934.1	666.4	910.0	1362.3	1440.0	1431.9
40°	1303.5	1303.5	1164.3	693.2	463.0	677.2	1078.6	1148.2	1124.1
42.5°	1022.4	1035.8	918.0	511.2	329.2	503.2	853.8	918.0	891.3
45°	824.4	824.4	722.7	380.1	214.1	374.7	674.5	733.4	728.0
47.5°	698.6	687.9	586.2	278.4	117.8	281.0	567.4	639.7	637.0
50°	623.6	607.6	503.2	219.5	83.0	232.9	497.8	564.7	567.4
52.5°	564.7	540.7	452.3	195.4	72.3	203.4	452.3	505.9	505.9
55°	500.5	487.1	406.8	174.0	64.2	182.0	406.8	455.0	452.3
57.5°	422.9	420.2	364.0	157.9	58.9	160.6	364.0	393.4	382.7
60°	345.3	356.0	315.8	141.9	53.5	144.5	310.5	334.6	329.2
62.5°	289.1	302.4	275.7	125.8	45.5	128.5	262.3	286.4	281.0
65°	240.9	251.6	230.2	107.1	40.1	107.1	216.8	238.2	238.2
67.5°	198.1	206.1	190.0	88.3	34.8	88.3	176.6	195.4	198.1
70°	157.9	163.3	149.9	69.6	29.4	72.3	139.2	157.9	157.9
72.5°	123.1	125.8	117.8	56.2	26.8	56.2	107.1	123.1	123.1
75°	88.3	93.7	88.3	42.8	24.1	42.8	83.0	91.0	93.7
77.5°	50.9	64.2	64.2	34.8	18.7	32.1	58.9	61.6	61.6
80°	34.8	40.1	45.5	24.1	13.4	24.1	37.5	40.1	37.5
82.5°	24.1	26.8	26.8	16.1	10.7	16.1	24.1	26.8	24.1
85°	13.4	18.7	18.7	13.4	8.0	10.7	13.4	16.1	13.4
87.5°	8.0	10.7	13.4	10.7	8.0	8.0	8.0	8.0	5.4
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)