

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: P799869

Luminaire Tested: **LD6C55D010 EU6559040 6LBMDDWH**

Issue Date: 4/12/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P799869  
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 EU6559040 6LBMDDWH  
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

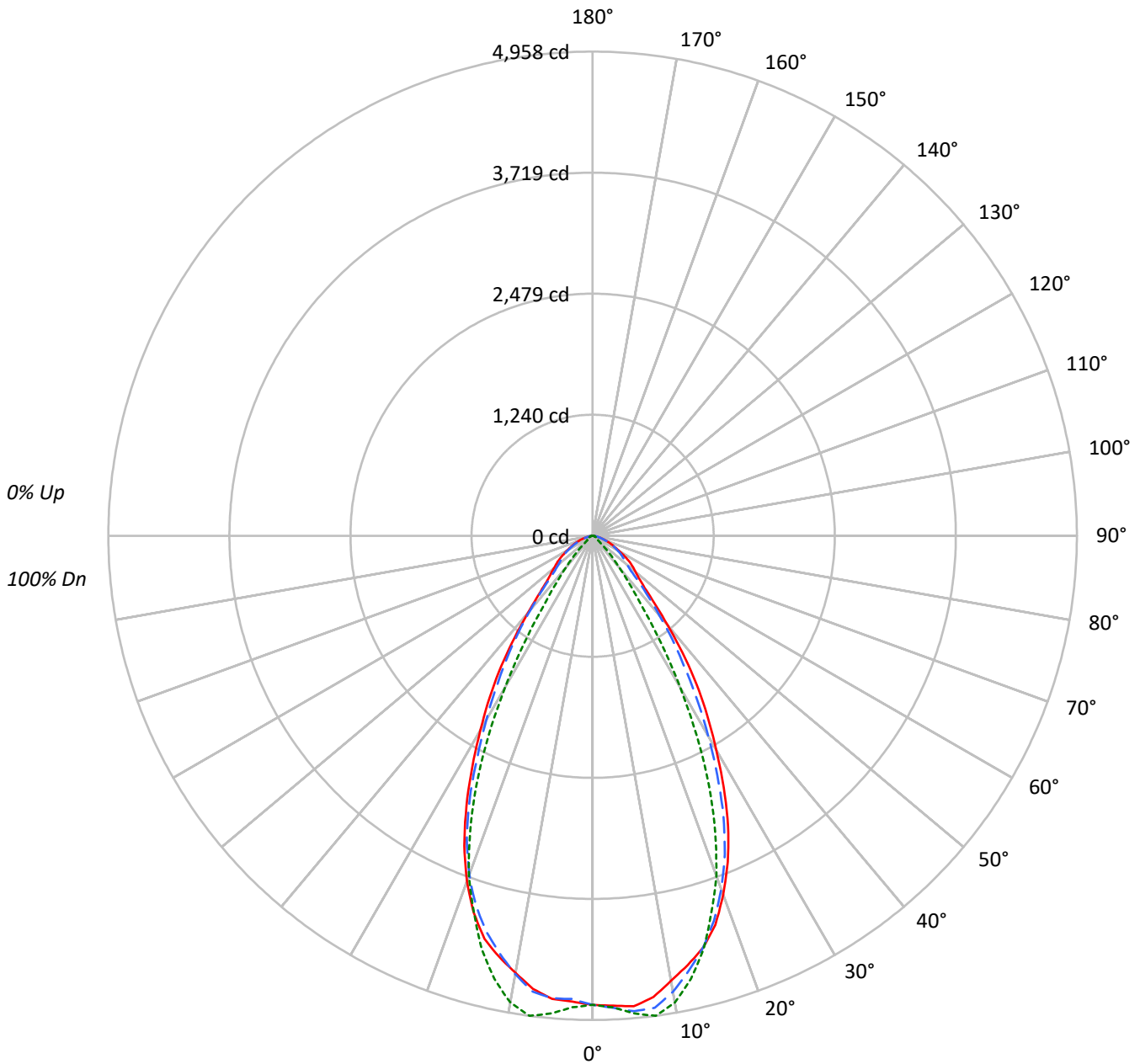
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4891.0 lumens  
Efficiency: N/A  
Efficacy: 76.5 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<sub>in</sub>): 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°	263373	263373	263373
5°	266123	270157	261957
10°	257505	270152	253012
15°	247833	248804	242567
20°	228097	216120	219545
25°	198507	170429	184910
30°	160101	113233	145250
35°	124122	58384	109078
40°	85167	30257	73445
45°	58355	15157	51532
50°	48561	6465	44186
55°	43678	5601	39473
60°	34559	5361	32958
65°	28524	4761	28213
70°	23113	4312	23113
75°	17072	4660	18110
80°	10039	3852	10797
85°	7674	4592	7674



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	457.3	9.4
10°-20°	1200.3	24.5
20°-30°	1370.1	28.0
30°-40°	908.6	18.6
40°-50°	438.2	9.0
50°-60°	269.6	5.5
60°-70°	163.1	3.3
70°-80°	68.6	1.4
80°-90°	15.1	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°	3027.7	61.9
0°-40°	3936.3	80.5
0°-60°	4644.1	95.0
0°-90°	4891.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4891.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	4804	4804	4804	4804	4804	
5°	4836	4887	4909	4753	4760	454
15°	4367	4367	4384	4198	4274	1217
25°	3282	3172	2818	2981	3057	1488
35°	1855	1635	872	1525	1630	1147
45°	753	660	196	616	665	614
55°	457	371	59	371	413	402
65°	220	210	37	198	218	221
75°	81	81	22	76	86	86
85°	12	17	7	12	12	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°	4804.3	4804.3	4804.3	4804.3	4804.3	4804.3	4804.3	4804.3	4804.3
2.5°	4816.5	4823.8	4838.5	4840.9	4833.6	4787.1	4748.0	4762.7	4774.9
5°	4836.0	4850.7	4887.3	4921.5	4909.3	4831.1	4752.9	4750.5	4760.3
7.5°	4765.2	4799.4	4875.1	4960.6	4958.2	4823.8	4708.9	4679.6	4679.6
10°	4625.9	4657.6	4740.7	4855.6	4853.1	4684.5	4557.4	4542.8	4545.2
12.5°	4501.2	4515.9	4557.4	4647.9	4647.9	4481.7	4383.9	4398.6	4418.2
15°	4366.8	4376.6	4366.8	4396.2	4383.9	4247.1	4198.2	4244.7	4274.0
17.5°	4176.2	4181.1	4129.8	4090.7	4044.3	3958.7	3971.0	4039.4	4046.7
20°	3909.9	3941.6	3848.8	3748.6	3704.6	3624.0	3692.4	3768.1	3763.3
22.5°	3616.6	3653.3	3533.5	3367.4	3277.0	3245.2	3367.4	3435.8	3433.4
25°	3281.8	3308.7	3171.9	2939.7	2817.6	2812.7	2981.3	3052.1	3057.0
27.5°	2905.5	2915.3	2761.3	2458.3	2306.8	2343.5	2556.1	2653.8	2666.0
30°	2529.2	2524.3	2365.5	1989.1	1788.8	1889.0	2174.9	2282.4	2294.6
32.5°	2184.6	2170.0	1989.1	1539.5	1300.0	1449.1	1825.4	1937.8	1957.4
35°	1854.7	1830.3	1634.8	1138.7	872.4	1094.8	1524.8	1622.6	1629.9
37.5°	1510.2	1498.0	1344.0	852.8	608.5	830.8	1243.8	1314.7	1307.4
40°	1190.1	1190.1	1063.0	632.9	422.8	618.2	984.8	1048.3	1026.3
42.5°	933.5	945.7	838.2	466.7	300.6	459.4	779.5	838.2	813.7
45°	752.7	752.7	659.8	347.0	195.5	342.1	615.8	669.6	664.7
47.5°	637.8	628.0	535.2	254.1	107.5	256.6	518.1	584.0	581.6
50°	569.4	554.7	459.4	200.4	75.8	212.6	454.5	515.6	518.1
52.5°	515.6	493.6	413.0	178.4	66.0	185.7	413.0	461.9	461.9
55°	457.0	444.7	371.4	158.8	58.6	166.2	371.4	415.4	413.0
57.5°	386.1	383.7	332.3	144.2	53.8	146.6	332.3	359.2	349.4
60°	315.2	325.0	288.4	129.5	48.9	132.0	283.5	305.5	300.6
62.5°	263.9	276.1	251.7	114.9	41.5	117.3	239.5	261.5	256.6
65°	219.9	229.7	210.2	97.7	36.7	97.7	197.9	217.5	217.5
67.5°	180.8	188.2	173.5	80.6	31.8	80.6	161.3	178.4	180.8
70°	144.2	149.1	136.8	63.5	26.9	66.0	127.1	144.2	144.2
72.5°	112.4	114.9	107.5	51.3	24.4	51.3	97.7	112.4	112.4
75°	80.6	85.5	80.6	39.1	22.0	39.1	75.8	83.1	85.5
77.5°	46.4	58.6	58.6	31.8	17.1	29.3	53.8	56.2	56.2
80°	31.8	36.7	41.5	22.0	12.2	22.0	34.2	36.7	34.2
82.5°	22.0	24.4	24.4	14.7	9.8	14.7	22.0	24.4	22.0
85°	12.2	17.1	17.1	12.2	7.3	9.8	12.2	14.7	12.2
87.5°	7.3	9.8	12.2	9.8	7.3	7.3	7.3	7.3	4.9
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)