

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: P799871

Luminaire Tested: **LD6C55D010 EU6559040 6LBMDDWMW**

Issue Date: 4/12/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P799871  
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 6LBMDDWMW  
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH MW FINISH  
Light Source: -  
Ballast/Driver: -

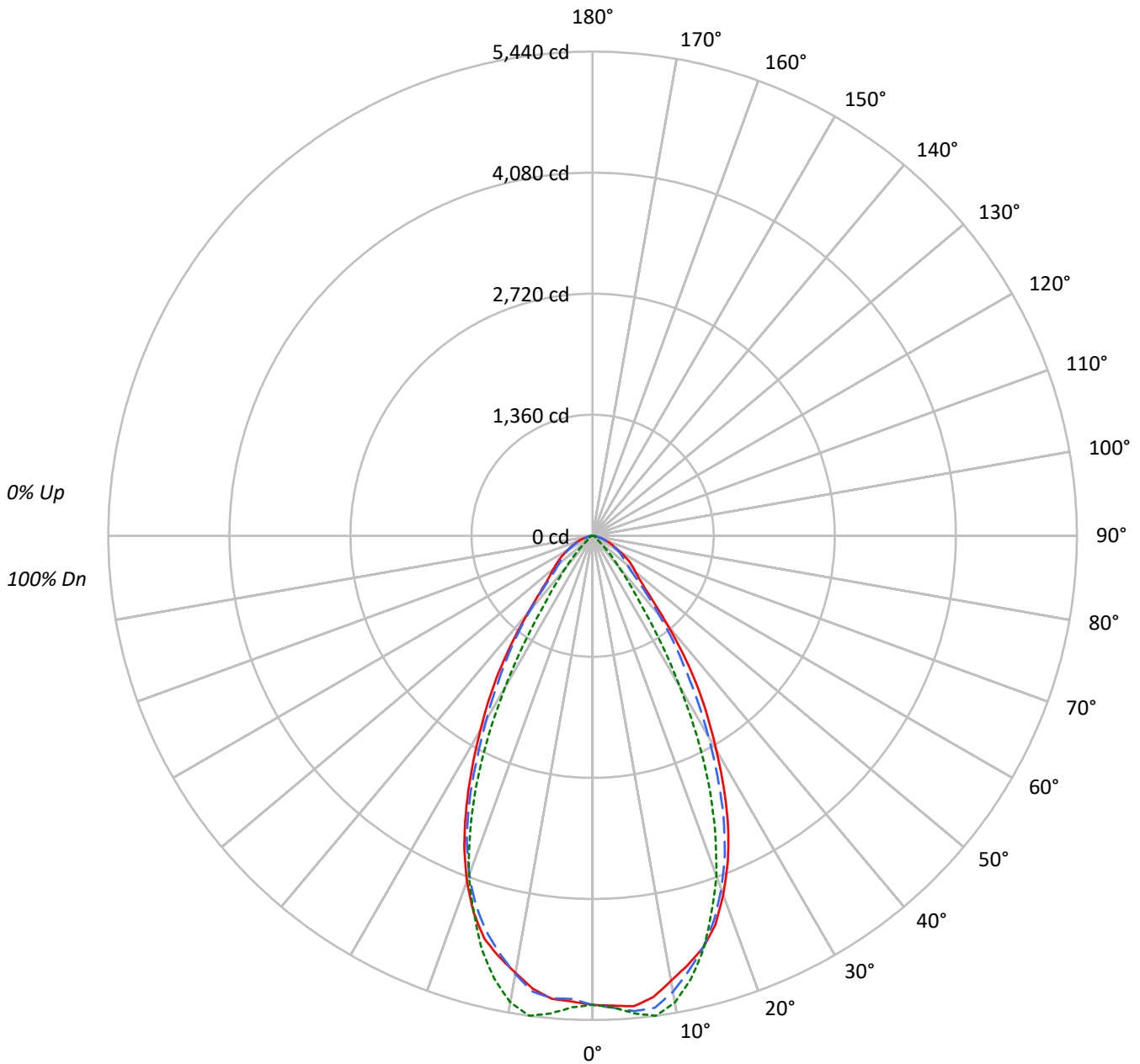
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5366.0 lumens  
Efficiency: N/A  
Efficacy: 84.0 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								
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°	288946	288946	288946
5°	291970	296395	287397
10°	282510	296387	277583
15°	271903	272970	266125
20°	250248	237111	240862
25°	217791	186979	202869
30°	175647	124228	159360
35°	136182	64052	119672
40°	93432	33191	80580
45°	64014	16630	56533
50°	53278	7087	48476
55°	47912	6146	43306
60°	37914	5877	36159
65°	31300	5215	30950
70°	25357	4728	25357
75°	18745	5105	19868
80°	11018	4230	11839
85°	8428	5032	8428



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	501.7	9.4
10°-20°	1316.9	24.5
20°-30°	1503.1	28.0
30°-40°	996.8	18.6
40°-50°	480.8	9.0
50°-60°	295.8	5.5
60°-70°	179.0	3.3
70°-80°	75.3	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°	3321.7	61.9
0°-40°	4318.6	80.5
0°-60°	5095.1	95.0
0°-90°	5366.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5366.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	5271	5271	5271	5271	5271	
5°	5306	5362	5386	5214	5223	499
15°	4791	4791	4810	4606	4689	1335
25°	3601	3480	3091	3271	3354	1633
35°	2035	1794	957	1673	1788	1259
45°	826	724	214	676	729	673
55°	501	408	64	408	453	441
65°	241	231	40	217	239	242
75°	88	88	24	83	94	95
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°	5270.8	5270.8	5270.8	5270.8	5270.8	5270.8	5270.8	5270.8	5270.8
2.5°	5284.2	5292.3	5308.4	5311.0	5303.0	5252.1	5209.2	5225.3	5238.7
5°	5305.7	5321.8	5362.0	5399.5	5386.1	5300.3	5214.5	5211.8	5222.6
7.5°	5227.9	5265.5	5348.6	5442.4	5439.7	5292.3	5166.3	5134.1	5134.1
10°	5075.1	5110.0	5201.1	5327.1	5324.4	5139.5	5000.0	4984.0	4986.6
12.5°	4938.4	4954.5	5000.0	5099.2	5099.2	4916.9	4809.7	4825.8	4847.2
15°	4790.9	4801.7	4790.9	4823.1	4809.7	4659.6	4605.9	4656.9	4689.1
17.5°	4581.8	4587.2	4530.9	4488.0	4437.0	4343.2	4356.6	4431.7	4439.7
20°	4289.6	4324.4	4222.6	4112.6	4064.4	3975.9	4051.0	4134.1	4128.7
22.5°	3967.9	4008.1	3876.7	3694.4	3595.2	3560.4	3694.4	3769.5	3766.8
25°	3600.6	3630.1	3479.9	3225.2	3091.2	3085.8	3270.8	3348.6	3353.9
27.5°	3187.7	3198.4	3029.5	2697.1	2530.9	2571.1	2804.3	2911.6	2925.0
30°	2774.8	2769.5	2595.2	2182.3	1962.5	2072.4	2386.1	2504.0	2517.5
32.5°	2396.8	2380.7	2182.3	1689.0	1426.3	1589.8	2002.7	2126.0	2147.5
35°	2034.9	2008.1	1793.6	1249.3	957.1	1201.1	1672.9	1780.2	1788.2
37.5°	1656.9	1643.4	1474.5	935.7	667.6	911.5	1364.6	1442.4	1434.3
40°	1305.6	1305.6	1166.2	694.4	463.8	678.3	1080.4	1150.1	1126.0
42.5°	1024.1	1037.5	919.6	512.1	329.8	504.0	855.2	919.6	892.8
45°	825.7	825.7	723.9	380.7	214.5	375.3	675.6	734.6	729.2
47.5°	699.7	689.0	587.1	278.8	118.0	281.5	568.4	640.8	638.1
50°	624.7	608.6	504.0	219.8	83.1	233.2	498.7	565.7	568.4
52.5°	565.7	541.6	453.1	195.7	72.4	203.8	453.1	506.7	506.7
55°	501.3	487.9	407.5	174.3	64.3	182.3	407.5	455.8	453.1
57.5°	423.6	420.9	364.6	158.2	59.0	160.9	364.6	394.1	383.4
60°	345.8	356.6	316.4	142.1	53.6	144.8	311.0	335.1	329.8
62.5°	289.5	303.0	276.1	126.0	45.6	128.7	262.7	286.9	281.5
65°	241.3	252.0	230.6	107.2	40.2	107.2	217.2	238.6	238.6
67.5°	198.4	206.4	190.4	88.5	34.9	88.5	176.9	195.7	198.4
70°	158.2	163.5	150.1	69.7	29.5	72.4	139.4	158.2	158.2
72.5°	123.3	126.0	118.0	56.3	26.8	56.3	107.2	123.3	123.3
75°	88.5	93.8	88.5	42.9	24.1	42.9	83.1	91.2	93.8
77.5°	50.9	64.3	64.3	34.9	18.8	32.2	59.0	61.7	61.7
80°	34.9	40.2	45.6	24.1	13.4	24.1	37.5	40.2	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	18.8	18.8	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)