

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: P799890

Luminaire Tested: **LD6C55D010 EU6559050 6LBMDSWWH**

Issue Date: 4/12/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P799890  
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 EU6559050 6LBMDSWWH  
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH WH FINISH  
Light Source: -  
Ballast/Driver: -

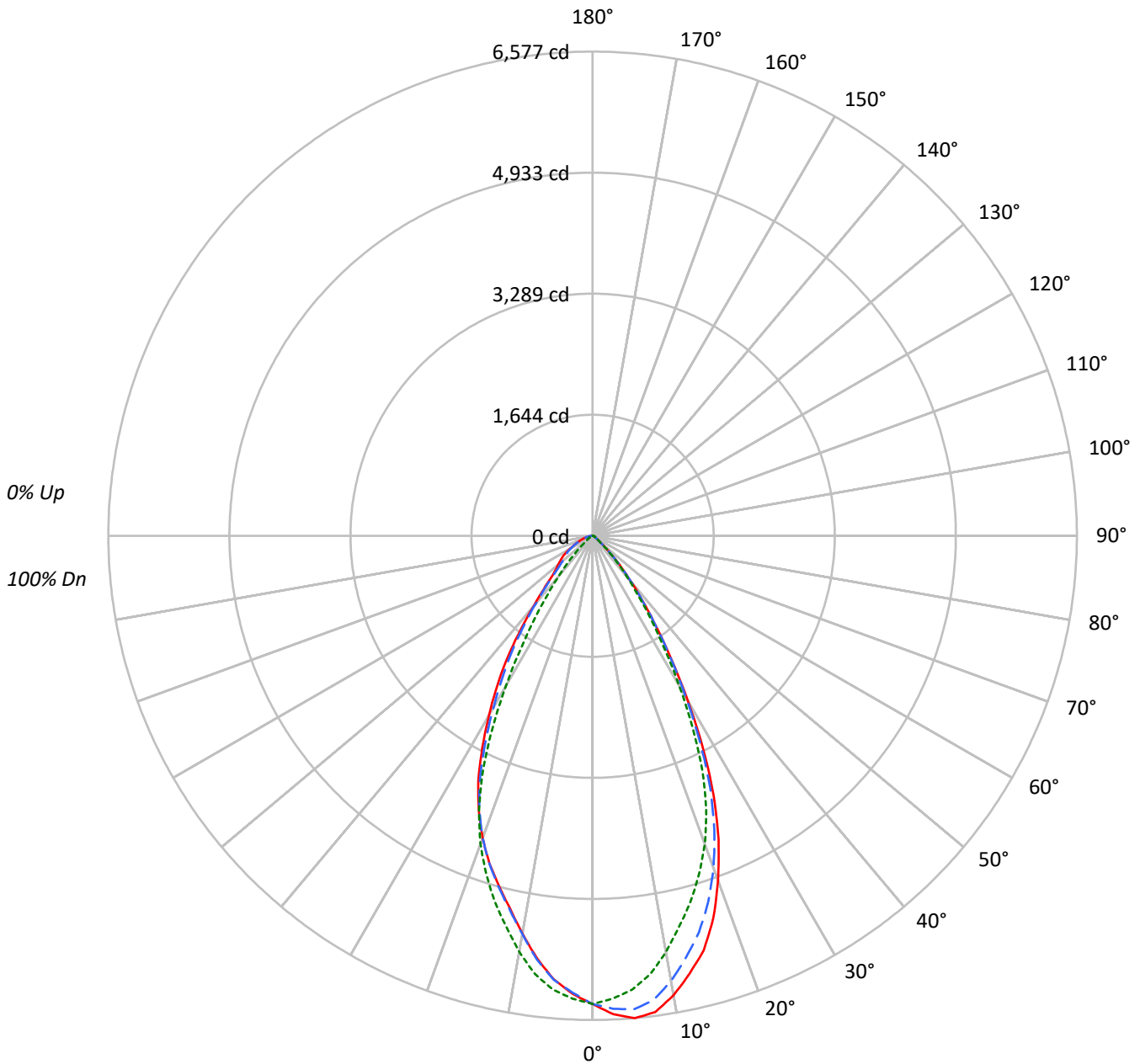
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5476.0 lumens  
Efficiency: N/A  
Efficacy: 85.7 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<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	100	100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92	92	92	92
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85	85	85	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78	78	78	78
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73	73	73	73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67	67	67	67
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63	63	63	63
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59	59	59	59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55	55	55	55
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52	52	52	52
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49	49	49	49

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	348673	348673	348673
5°	361935	340490	332791
10°	352677	319377	305327
15°	330762	291829	279218
20°	290374	259798	254840
25°	234848	213436	222231
30°	163266	148681	177856
35°	100626	91082	134234
40°	56942	51053	89146
45°	27654	26375	60836
50°	10533	10533	51717
55°	5773	6815	47731
60°	4210	5416	39109
65°	3554	4631	32027
70°	3077	3959	26383
75°	2902	4067	22664
80°	1736	3473	16448
85°	1698	6919	15536



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	582.3	10.6
10°-20°	1463.4	26.7
20°-30°	1647.4	30.1
30°-40°	1020.1	18.6
40°-50°	406.2	7.4
50°-60°	184.9	3.4
60°-70°	106.3	1.9
70°-80°	50.5	0.9
80°-90°	14.7	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°	3693.2	67.4
0°-40°	4713.3	86.1
0°-60°	5304.5	96.9
0°-90°	5476.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5476.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	6360	6360	6360	6360	6360	
5°	6577	6456	6187	6053	6048	619
15°	5828	5576	5142	4934	4920	1612
25°	3883	3778	3529	3616	3674	1745
35°	1504	1495	1361	1896	2006	966
45°	357	357	340	741	785	302
55°	60	58	71	439	499	60
65°	27	25	36	244	247	27
75°	14	14	19	104	107	14
85°	3	3	11	25	25	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°	6360.3	6360.3	6360.3	6360.3	6360.3	6360.3	6360.3	6360.3	6360.3
2.5°	6505.7	6445.4	6431.6	6379.5	6291.7	6242.3	6212.1	6190.2	6228.6
5°	6577.1	6511.2	6456.3	6349.3	6187.4	6096.9	6053.0	6017.3	6047.5
7.5°	6524.9	6431.6	6357.6	6209.4	6003.6	5863.7	5803.3	5762.1	5789.6
10°	6335.6	6223.1	6138.1	5962.4	5737.4	5570.1	5496.0	5457.6	5485.0
12.5°	6088.7	5995.4	5866.4	5674.3	5432.9	5257.3	5202.4	5172.2	5183.2
15°	5828.0	5718.2	5575.6	5383.5	5142.0	4966.4	4933.5	4914.3	4919.8
17.5°	5449.3	5342.3	5218.9	5032.3	4810.0	4667.3	4667.3	4653.6	4661.8
20°	4977.4	4919.8	4799.0	4642.6	4453.3	4324.3	4365.5	4351.8	4368.3
22.5°	4467.0	4423.1	4318.9	4189.9	4030.8	3929.2	4019.8	4017.0	4039.0
25°	3882.6	3849.7	3778.3	3668.6	3528.6	3465.5	3616.4	3616.4	3674.0
27.5°	3237.8	3204.8	3155.5	3062.2	2946.9	2927.7	3150.0	3177.4	3240.5
30°	2579.2	2557.3	2529.9	2444.8	2348.8	2384.4	2691.7	2738.4	2809.7
32.5°	1992.1	1978.3	1970.1	1893.3	1808.2	1926.2	2277.4	2337.8	2409.1
35°	1503.6	1473.5	1495.4	1437.8	1361.0	1509.1	1896.0	1948.2	2005.8
37.5°	1108.5	1086.6	1105.8	1064.6	996.0	1157.9	1522.9	1555.8	1594.2
40°	795.7	776.5	793.0	768.3	713.4	864.3	1193.6	1229.3	1245.7
42.5°	565.2	532.3	548.8	529.6	502.1	650.3	938.4	971.3	976.8
45°	356.7	345.7	356.7	345.7	340.2	482.9	740.8	771.0	784.7
47.5°	216.8	203.0	203.0	197.6	203.0	356.7	611.9	655.8	677.7
50°	123.5	118.0	115.2	112.5	123.5	279.9	529.6	579.0	606.4
52.5°	82.3	79.6	79.6	76.8	90.5	236.0	477.4	521.3	548.8
55°	60.4	57.6	57.6	57.6	71.3	203.0	439.0	474.7	499.4
57.5°	46.6	46.6	46.6	43.9	60.4	172.9	392.4	411.6	430.8
60°	38.4	35.7	35.7	35.7	49.4	148.2	337.5	345.7	356.7
62.5°	30.2	30.2	30.2	30.2	41.2	131.7	290.9	290.9	296.3
65°	27.4	24.7	24.7	24.7	35.7	115.2	244.2	241.5	246.9
67.5°	22.0	22.0	22.0	22.0	30.2	98.8	200.3	197.6	203.0
70°	19.2	19.2	19.2	19.2	24.7	82.3	161.9	159.1	164.6
72.5°	16.5	16.5	16.5	16.5	22.0	68.6	129.0	129.0	131.7
75°	13.7	13.7	13.7	13.7	19.2	52.1	104.3	104.3	107.0
77.5°	11.0	11.0	11.0	11.0	13.7	41.2	79.6	76.8	76.8
80°	5.5	8.2	8.2	8.2	11.0	30.2	57.6	52.1	52.1
82.5°	2.7	5.5	5.5	5.5	11.0	22.0	38.4	35.7	35.7
85°	2.7	2.7	2.7	8.2	11.0	16.5	24.7	24.7	24.7
87.5°	0.0	2.7	5.5	11.0	13.7	13.7	16.5	13.7	13.7
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)