

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: P799851

Luminaire Tested: **LD6C55D010 EU6559030 6LBMDSWH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799851
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 EU6559030 6LBMDSWH
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

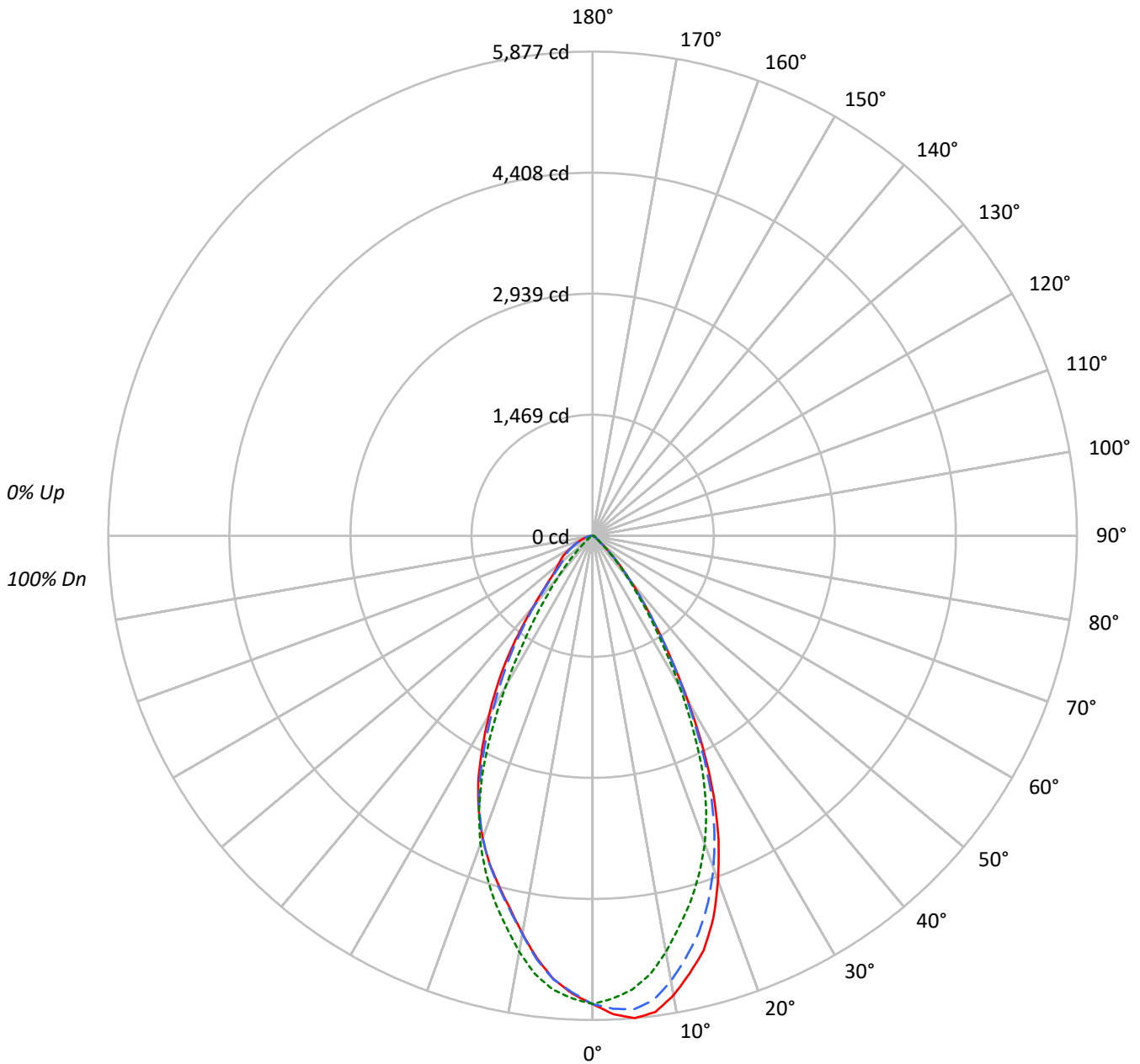
Lumens per Lamp: N/A
Luminaire Lumens: 4893.0 lumens
Efficiency: N/A
Efficacy: 76.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	311554	311554	311554
5°	323398	304242	297363
10°	315130	285377	272818
15°	295547	260762	249491
20°	259460	232140	227706
25°	209843	190717	198574
30°	145883	132850	158923
35°	89918	81385	119940
40°	50881	45621	79656
45°	24708	23568	54362
50°	9407	9407	46207
55°	5152	6088	42646
60°	3761	4835	34942
65°	3178	4138	28628
70°	2757	3542	23578
75°	2605	3643	20249
80°	1547	3094	14711
85°	1572	6164	13901



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	520.3	10.6
10°-20°	1307.6	26.7
20°-30°	1472.0	30.1
30°-40°	911.5	18.6
40°-50°	363.0	7.4
50°-60°	165.3	3.4
60°-70°	95.0	1.9
70°-80°	45.1	0.9
80°-90°	13.2	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°	3300.0	67.4
0°-40°	4211.5	86.1
0°-60°	4739.7	96.9
0°-90°	4893.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4893.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5683	5683	5683	5683	5683	
5°	5877	5769	5529	5409	5404	553
15°	5208	4982	4595	4408	4396	1441
25°	3469	3376	3153	3231	3283	1559
35°	1344	1336	1216	1694	1792	863
45°	319	319	304	662	701	270
55°	54	52	64	392	446	54
65°	24	22	32	218	221	24
75°	12	12	17	93	96	13
85°	2	2	10	22	22	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°	5683.2	5683.2	5683.2	5683.2	5683.2	5683.2	5683.2	5683.2	5683.2
2.5°	5813.1	5759.2	5746.9	5700.3	5621.9	5577.7	5550.8	5531.1	5565.5
5°	5876.8	5818.0	5769.0	5673.4	5528.7	5447.8	5408.6	5376.7	5403.7
7.5°	5830.3	5746.9	5680.7	5548.3	5364.4	5239.4	5185.5	5148.7	5173.2
10°	5661.1	5560.6	5484.6	5327.7	5126.6	4977.1	4910.9	4876.5	4901.0
12.5°	5440.4	5357.1	5241.8	5070.2	4854.5	4697.6	4648.5	4621.5	4631.4
15°	5207.5	5109.4	4982.0	4810.3	4594.6	4437.7	4408.2	4391.1	4396.0
17.5°	4869.2	4773.6	4663.2	4496.5	4297.9	4170.4	4170.4	4158.2	4165.5
20°	4447.5	4396.0	4288.1	4148.4	3979.2	3864.0	3900.7	3888.5	3903.2
22.5°	3991.4	3952.2	3859.1	3743.8	3601.6	3510.9	3591.8	3589.4	3609.0
25°	3469.2	3439.8	3376.1	3278.0	3153.0	3096.6	3231.4	3231.4	3282.9
27.5°	2893.1	2863.6	2819.5	2736.2	2633.2	2616.0	2814.6	2839.1	2895.5
30°	2304.6	2285.0	2260.5	2184.5	2098.7	2130.6	2405.2	2446.8	2510.6
32.5°	1780.0	1767.7	1760.4	1691.7	1615.7	1721.1	2035.0	2088.9	2152.6
35°	1343.6	1316.6	1336.2	1284.7	1216.1	1348.5	1694.2	1740.7	1792.2
37.5°	990.5	970.9	988.1	951.3	890.0	1034.6	1360.7	1390.1	1424.5
40°	711.0	693.8	708.6	686.5	637.5	772.3	1066.5	1098.4	1113.1
42.5°	505.1	475.6	490.4	473.2	448.7	581.1	838.5	867.9	872.8
45°	318.7	308.9	318.7	308.9	304.0	431.5	662.0	688.9	701.2
47.5°	193.7	181.4	181.4	176.5	181.4	318.7	546.7	586.0	605.6
50°	110.3	105.4	103.0	100.5	110.3	250.1	473.2	517.3	541.8
52.5°	73.6	71.1	71.1	68.6	80.9	210.9	426.6	465.8	490.4
55°	53.9	51.5	51.5	51.5	63.7	181.4	392.3	424.2	446.2
57.5°	41.7	41.7	41.7	39.2	53.9	154.5	350.6	367.8	384.9
60°	34.3	31.9	31.9	31.9	44.1	132.4	301.6	308.9	318.7
62.5°	27.0	27.0	27.0	27.0	36.8	117.7	259.9	259.9	264.8
65°	24.5	22.1	22.1	22.1	31.9	103.0	218.2	215.8	220.7
67.5°	19.6	19.6	19.6	19.6	27.0	88.3	179.0	176.5	181.4
70°	17.2	17.2	17.2	17.2	22.1	73.6	144.7	142.2	147.1
72.5°	14.7	14.7	14.7	14.7	19.6	61.3	115.2	115.2	117.7
75°	12.3	12.3	12.3	12.3	17.2	46.6	93.2	93.2	95.6
77.5°	9.8	9.8	9.8	9.8	12.3	36.8	71.1	68.6	68.6
80°	4.9	7.4	7.4	7.4	9.8	27.0	51.5	46.6	46.6
82.5°	2.5	4.9	4.9	4.9	9.8	19.6	34.3	31.9	31.9
85°	2.5	2.5	2.5	7.4	9.8	14.7	22.1	22.1	22.1
87.5°	0.0	2.5	4.9	9.8	12.3	12.3	14.7	12.3	12.3
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)