

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: P800038

Luminaire Tested: **LD6C70D010 EU6709035 6LBMDDWLI**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P800038
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: LD6C70D010 EU6709035 6LBMDDWLI
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDDW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

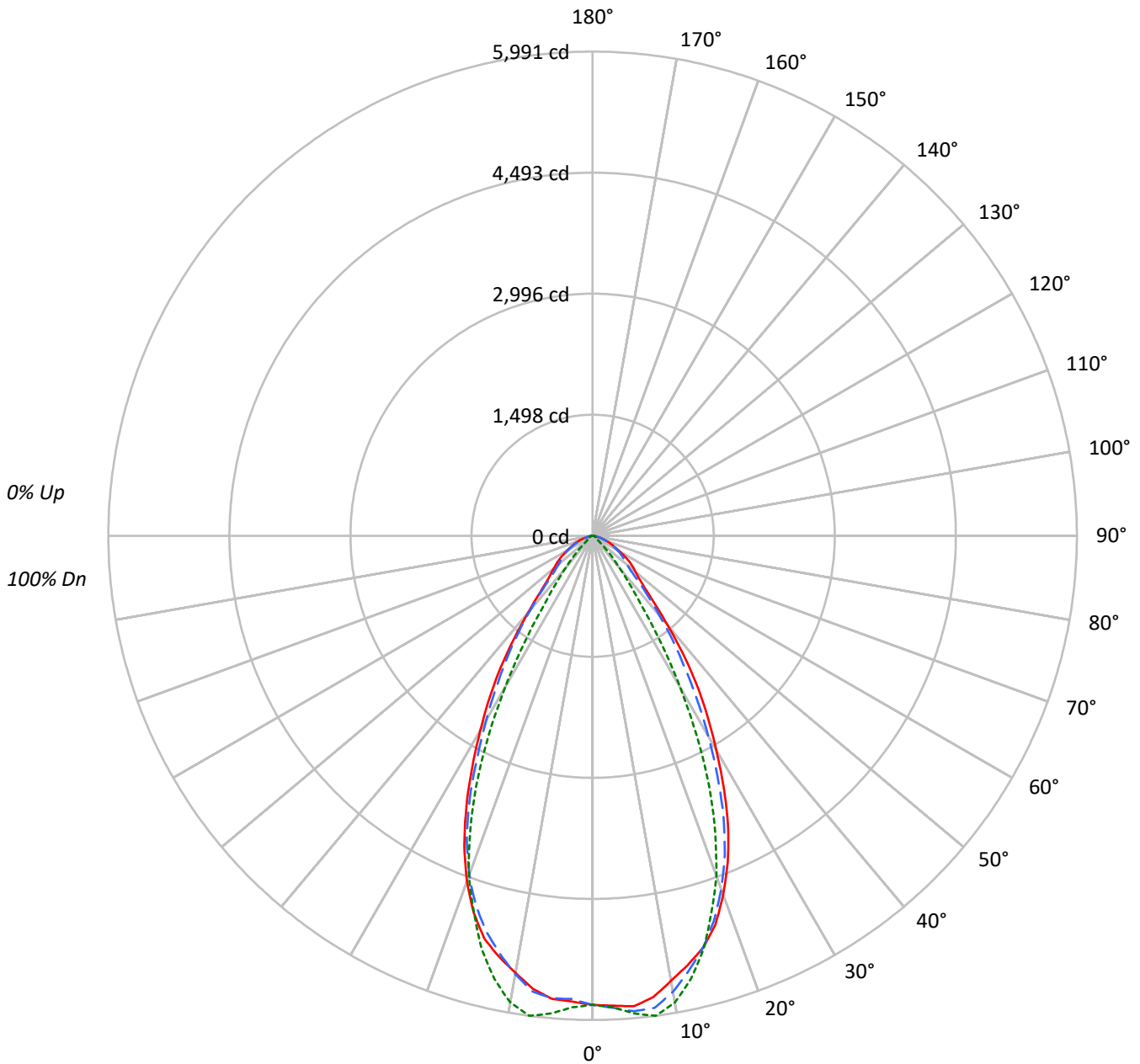
Lumens per Lamp: N/A
Luminaire Lumens: 5910.0 lumens
Efficiency: N/A
Efficacy: 75.8 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 78
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			
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°	318242	318242	318242
5°	321571	326441	316530
10°	311150	326436	305728
15°	299468	300643	293100
20°	275620	261146	265282
25°	239869	205935	223434
30°	193454	136819	175514
35°	149988	70544	131805
40°	102907	36554	88752
45°	70511	18312	62270
50°	58676	7804	53388
55°	52777	6776	47692
60°	41762	6480	39821
65°	34478	5746	34089
70°	27921	5209	27921
75°	20630	5634	21880
80°	12123	4672	13038
85°	9309	5598	9309



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	552.6	9.4
10°-20°	1450.4	24.5
20°-30°	1655.5	28.0
30°-40°	1097.9	18.6
40°-50°	529.5	9.0
50°-60°	325.7	5.5
60°-70°	197.1	3.3
70°-80°	82.9	1.4
80°-90°	18.3	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°	3658.5	61.9
0°-40°	4756.4	80.5
0°-60°	5611.7	95.0
0°-90°	5910.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5910.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5805	5805	5805	5805	5805	
5°	5844	5906	5932	5743	5752	549
15°	5277	5277	5297	5073	5164	1470
25°	3966	3833	3405	3602	3694	1798
35°	2241	1975	1054	1842	1970	1386
45°	910	797	236	744	803	742
55°	552	449	71	449	499	485
65°	266	254	44	239	263	267
75°	97	97	27	92	103	104
85°	15	21	9	15	15	19
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°	5805.2	5805.2	5805.2	5805.2	5805.2	5805.2	5805.2	5805.2	5805.2
2.5°	5819.9	5828.8	5846.5	5849.5	5840.6	5784.5	5737.3	5755.0	5769.7
5°	5843.6	5861.3	5905.6	5946.9	5932.1	5837.7	5743.2	5740.2	5752.0
7.5°	5757.9	5799.3	5890.8	5994.2	5991.2	5828.8	5690.0	5654.6	5654.6
10°	5589.6	5628.0	5728.4	5867.2	5864.2	5660.5	5506.9	5489.2	5492.2
12.5°	5439.0	5456.8	5506.9	5616.2	5616.2	5415.4	5297.3	5315.0	5338.6
15°	5276.6	5288.4	5276.6	5312.1	5297.3	5131.9	5072.9	5129.0	5164.4
17.5°	5046.3	5052.2	4990.2	4943.0	4886.9	4783.5	4798.3	4881.0	4889.8
20°	4724.5	4762.8	4650.6	4529.6	4476.4	4379.0	4461.7	4553.2	4547.3
22.5°	4370.1	4414.4	4269.7	4068.9	3959.7	3921.3	4068.9	4151.6	4148.7
25°	3965.6	3998.1	3832.7	3552.2	3404.6	3398.7	3602.4	3688.0	3693.9
27.5°	3510.9	3522.7	3336.6	2970.5	2787.4	2831.7	3088.6	3206.7	3221.5
30°	3056.1	3050.2	2858.3	2403.6	2161.4	2282.5	2628.0	2757.9	2772.7
32.5°	2639.8	2622.1	2403.6	1860.3	1570.9	1751.0	2205.7	2341.6	2365.2
35°	2241.2	2211.6	1975.4	1376.0	1054.1	1322.8	1842.5	1960.7	1969.5
37.5°	1824.8	1810.1	1624.0	1030.5	735.2	1003.9	1503.0	1588.6	1579.7
40°	1438.0	1438.0	1284.5	764.8	510.8	747.1	1190.0	1266.7	1240.2
42.5°	1128.0	1142.7	1012.8	564.0	363.2	555.1	941.9	1012.8	983.3
45°	909.5	909.5	797.3	419.3	236.2	413.4	744.1	809.1	803.2
47.5°	770.7	758.9	646.7	307.1	129.9	310.0	626.0	705.7	702.8
50°	688.0	670.3	555.1	242.1	91.5	256.9	549.2	623.0	626.0
52.5°	623.0	596.5	499.0	215.6	79.7	224.4	499.0	558.1	558.1
55°	552.2	537.4	448.8	191.9	70.9	200.8	448.8	502.0	499.0
57.5°	466.5	463.6	401.6	174.2	65.0	177.2	401.6	434.1	422.2
60°	380.9	392.7	348.4	156.5	59.1	159.5	342.5	369.1	363.2
62.5°	318.9	333.7	304.1	138.8	50.2	141.7	289.4	315.9	310.0
65°	265.8	277.6	253.9	118.1	44.3	118.1	239.2	262.8	262.8
67.5°	218.5	227.4	209.6	97.4	38.4	97.4	194.9	215.6	218.5
70°	174.2	180.1	165.4	76.8	32.5	79.7	153.5	174.2	174.2
72.5°	135.8	138.8	129.9	62.0	29.5	62.0	118.1	135.8	135.8
75°	97.4	103.3	97.4	47.2	26.6	47.2	91.5	100.4	103.3
77.5°	56.1	70.9	70.9	38.4	20.7	35.4	65.0	67.9	67.9
80°	38.4	44.3	50.2	26.6	14.8	26.6	41.3	44.3	41.3
82.5°	26.6	29.5	29.5	17.7	11.8	17.7	26.6	29.5	26.6
85°	14.8	20.7	20.7	14.8	8.9	11.8	14.8	17.7	14.8
87.5°	8.9	11.8	14.8	11.8	8.9	8.9	8.9	8.9	5.9
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)