

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: P800050

Luminaire Tested: **LD6C70D010 EU6709040 6LBMDDWLI**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P800050
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 EU6709040 6LBMDDWLI
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

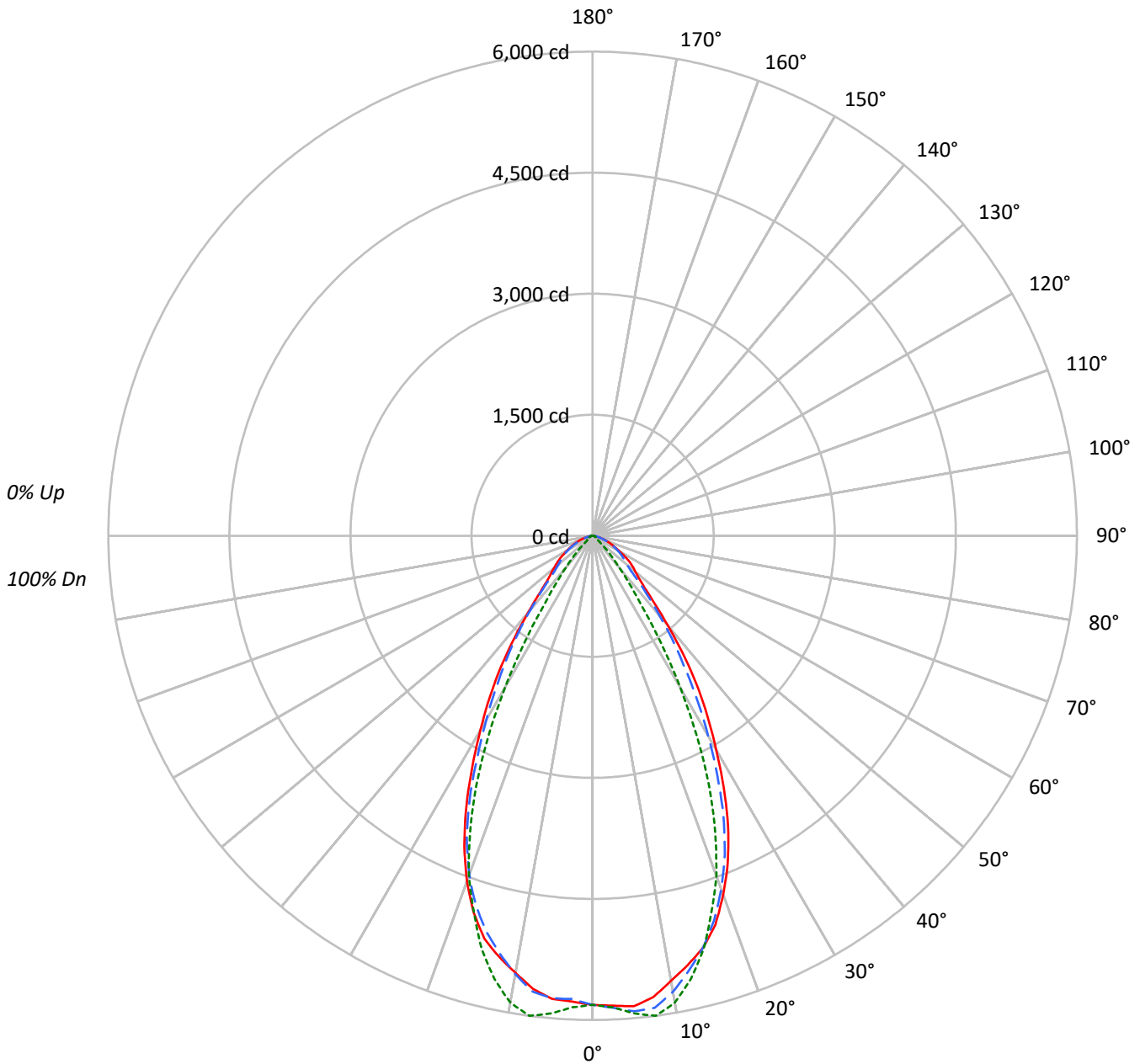
Lumens per Lamp: N/A
Luminaire Lumens: 5919.0 lumens
Efficiency: N/A
Efficacy: 75.9 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	318724	318724	318724
5°	322061	326942	317014
10°	311623	326937	306190
15°	299928	301103	293549
20°	276040	261543	265685
25°	240232	206244	223779
30°	193751	137027	175780
35°	150216	70657	132006
40°	103065	36611	88888
45°	70612	18343	62363
50°	58761	7821	53465
55°	52854	6786	47769
60°	41828	6480	39876
65°	34530	5759	34141
70°	27969	5209	27969
75°	20673	5634	21922
80°	12123	4672	13070
85°	9309	5598	9309



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	553.4	9.4
10°-20°	1452.6	24.5
20°-30°	1658.0	28.0
30°-40°	1099.6	18.6
40°-50°	530.3	9.0
50°-60°	326.2	5.5
60°-70°	197.4	3.3
70°-80°	83.1	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°	3664.1	61.9
0°-40°	4763.6	80.5
0°-60°	5620.2	95.0
0°-90°	5919.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5919.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5814	5814	5814	5814	5814	
5°	5852	5915	5941	5752	5761	550
15°	5285	5285	5305	5081	5172	1473
25°	3972	3839	3410	3608	3700	1801
35°	2245	1978	1056	1845	1972	1388
45°	911	798	237	745	804	743
55°	553	450	71	450	500	486
65°	266	254	44	240	263	267
75°	98	98	27	92	104	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°	5814.0	5814.0	5814.0	5814.0	5814.0	5814.0	5814.0	5814.0	5814.0
2.5°	5828.8	5837.7	5855.4	5858.4	5849.5	5793.3	5746.0	5763.7	5778.5
5°	5852.5	5870.2	5914.6	5956.0	5941.2	5846.6	5751.9	5749.0	5760.8
7.5°	5766.7	5808.1	5899.8	6003.3	6000.3	5837.7	5698.7	5663.2	5663.2
10°	5598.1	5636.6	5737.1	5876.1	5873.2	5669.1	5515.3	5497.6	5500.5
12.5°	5447.3	5465.1	5515.3	5624.8	5624.8	5423.7	5305.4	5323.1	5346.8
15°	5284.7	5296.5	5284.7	5320.2	5305.4	5139.8	5080.6	5136.8	5172.3
17.5°	5054.0	5059.9	4997.8	4950.5	4894.3	4790.8	4805.6	4888.4	4897.3
20°	4731.7	4770.1	4657.7	4536.5	4483.2	4385.7	4468.5	4560.1	4554.2
22.5°	4376.8	4421.1	4276.2	4075.1	3965.7	3927.3	4075.1	4157.9	4155.0
25°	3971.6	4004.2	3838.6	3557.6	3409.7	3403.8	3607.9	3693.6	3699.6
27.5°	3516.2	3528.0	3341.7	2975.0	2791.7	2836.0	3093.3	3211.6	3226.4
30°	3060.8	3054.9	2862.7	2407.2	2164.7	2286.0	2632.0	2762.1	2776.9
32.5°	2643.8	2626.1	2407.2	1863.1	1573.3	1753.7	2209.1	2345.1	2368.8
35°	2244.6	2215.0	1978.4	1378.1	1055.8	1324.9	1845.3	1963.6	1972.5
37.5°	1827.6	1812.8	1626.5	1032.1	736.4	1005.5	1505.3	1591.0	1582.1
40°	1440.2	1440.2	1286.4	765.9	511.6	748.2	1191.8	1268.7	1242.1
42.5°	1129.7	1144.5	1014.3	564.8	363.7	556.0	943.4	1014.3	984.8
45°	910.8	910.8	798.5	419.9	236.6	414.0	745.2	810.3	804.4
47.5°	771.9	760.0	647.6	307.6	130.1	310.5	626.9	706.8	703.8
50°	689.0	671.3	556.0	242.5	91.7	257.3	550.1	624.0	626.9
52.5°	624.0	597.4	499.8	215.9	79.8	224.8	499.8	558.9	558.9
55°	553.0	538.2	449.5	192.2	71.0	201.1	449.5	502.7	499.8
57.5°	467.3	464.3	402.2	174.5	65.1	177.4	402.2	434.7	422.9
60°	381.5	393.3	349.0	156.7	59.1	159.7	343.0	369.7	363.7
62.5°	319.4	334.2	304.6	139.0	50.3	141.9	289.8	316.4	310.5
65°	266.2	278.0	254.3	118.3	44.4	118.3	239.5	263.2	263.2
67.5°	218.8	227.7	210.0	97.6	38.4	97.6	195.2	215.9	218.8
70°	174.5	180.4	165.6	76.9	32.5	79.8	153.8	174.5	174.5
72.5°	136.0	139.0	130.1	62.1	29.6	62.1	118.3	136.0	136.0
75°	97.6	103.5	97.6	47.3	26.6	47.3	91.7	100.5	103.5
77.5°	56.2	71.0	71.0	38.4	20.7	35.5	65.1	68.0	68.0
80°	38.4	44.4	50.3	26.6	14.8	26.6	41.4	44.4	41.4
82.5°	26.6	29.6	29.6	17.7	11.8	17.7	26.6	29.6	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)