

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: P799667

Luminaire Tested: **LD6C40D010 EU6409030 6LBMDDWMW**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799667
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: LD6C40D010 EU6409030 6LBMDDWMW
Description: 6 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

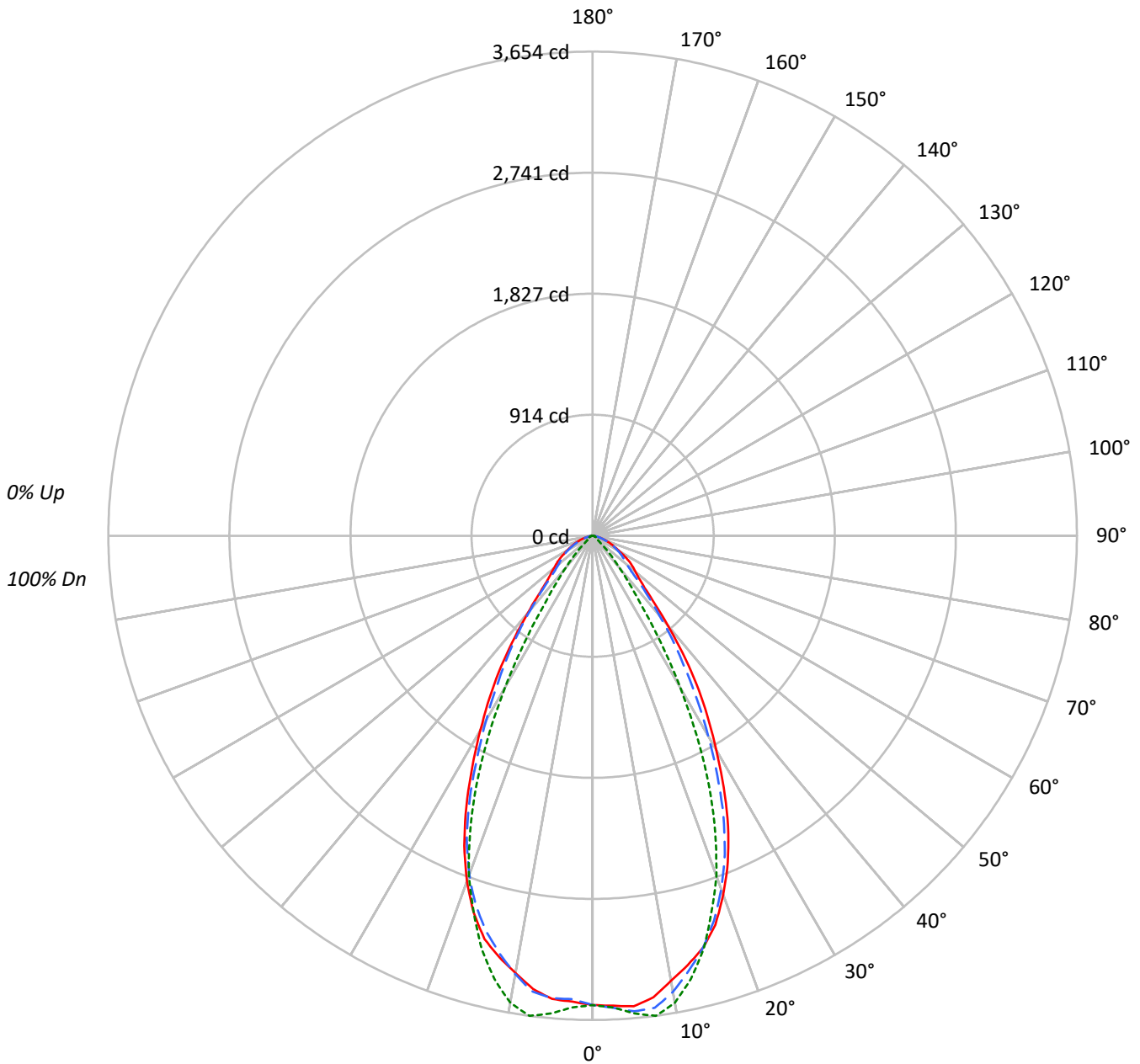
Lumens per Lamp: N/A
Luminaire Lumens: 3605.0 lumens
Efficiency: N/A
Efficacy: 76.7 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 47
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	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91				91				
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83				83				
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76				76				
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70				70				
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64				64				
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59				59				
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55				55				
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51				51				
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48				48				
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45				45				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	194124	194124	194124
5°	196153	199125	193077
10°	189798	199122	186486
15°	182674	183389	178786
20°	168120	159293	161819
25°	146313	125614	136290
30°	118005	83456	107061
35°	91491	43032	80401
40°	62775	22299	54137
45°	43012	11172	37981
50°	35794	4759	32562
55°	32190	4129	29093
60°	25469	3947	24285
65°	21027	3502	20793
70°	17038	3174	17038
75°	12581	3431	13344
80°	7387	2841	7956
85°	5661	3397	5661



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.1	9.4
10°-20°	884.7	24.5
20°-30°	1009.8	28.0
30°-40°	669.7	18.6
40°-50°	323.0	9.0
50°-60°	198.7	5.5
60°-70°	120.2	3.3
70°-80°	50.6	1.4
80°-90°	11.2	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°	2231.6	61.9
0°-40°	2901.3	80.5
0°-60°	3423.0	95.0
0°-90°	3605.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3605.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3541	3541	3541	3541	3541	
5°	3564	3602	3618	3503	3509	335
15°	3219	3219	3231	3094	3150	897
25°	2419	2338	2077	2197	2253	1097
35°	1367	1205	643	1124	1201	846
45°	555	486	144	454	490	452
55°	337	274	43	274	304	296
65°	162	155	27	146	160	163
75°	59	59	16	56	63	63
85°	9	13	5	9	9	12
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°	3541.1	3541.1	3541.1	3541.1	3541.1	3541.1	3541.1	3541.1	3541.1
2.5°	3550.1	3555.5	3566.3	3568.1	3562.7	3528.5	3499.6	3510.4	3519.4
5°	3564.5	3575.3	3602.3	3627.5	3618.5	3560.9	3503.2	3501.4	3508.6
7.5°	3512.2	3537.5	3593.3	3656.3	3654.5	3555.5	3470.8	3449.2	3449.2
10°	3409.6	3433.0	3494.2	3578.9	3577.1	3452.8	3359.1	3348.3	3350.1
12.5°	3317.7	3328.5	3359.1	3425.8	3425.8	3303.3	3231.3	3242.1	3256.5
15°	3218.7	3225.9	3218.7	3240.3	3231.3	3130.4	3094.4	3128.6	3150.2
17.5°	3078.2	3081.8	3043.9	3015.1	2980.9	2917.9	2926.9	2977.3	2982.7
20°	2881.8	2905.3	2836.8	2763.0	2730.5	2671.1	2721.5	2777.4	2773.8
22.5°	2665.7	2692.7	2604.5	2482.0	2415.3	2391.9	2482.0	2532.4	2530.6
25°	2418.9	2438.8	2337.9	2166.8	2076.7	2073.1	2197.4	2249.6	2253.2
27.5°	2141.6	2148.8	2035.3	1812.0	1700.3	1727.3	1884.0	1956.0	1965.1
30°	1864.2	1860.6	1743.5	1466.1	1318.4	1392.3	1603.0	1682.3	1691.3
32.5°	1610.2	1599.4	1466.1	1134.7	958.2	1068.1	1345.5	1428.3	1442.7
35°	1367.1	1349.1	1205.0	839.3	643.0	806.9	1123.9	1196.0	1201.4
37.5°	1113.1	1104.1	990.6	628.6	448.5	612.4	916.8	969.0	963.6
40°	877.2	877.2	783.5	466.5	311.6	455.7	725.9	772.7	756.5
42.5°	688.0	697.0	617.8	344.0	221.5	338.6	574.6	617.8	599.8
45°	554.8	554.8	486.3	255.8	144.1	252.2	453.9	493.5	489.9
47.5°	470.1	462.9	394.5	187.3	79.3	189.1	381.8	430.5	428.7
50°	419.7	408.9	338.6	147.7	55.8	156.7	335.0	380.0	381.8
52.5°	380.0	363.8	304.4	131.5	48.6	136.9	304.4	340.4	340.4
55°	336.8	327.8	273.8	117.1	43.2	122.5	273.8	306.2	304.4
57.5°	284.6	282.8	245.0	106.3	39.6	108.1	245.0	264.8	257.6
60°	232.3	239.6	212.5	95.5	36.0	97.3	208.9	225.1	221.5
62.5°	194.5	203.5	185.5	84.7	30.6	86.5	176.5	192.7	189.1
65°	162.1	169.3	154.9	72.0	27.0	72.0	145.9	160.3	160.3
67.5°	133.3	138.7	127.9	59.4	23.4	59.4	118.9	131.5	133.3
70°	106.3	109.9	100.9	46.8	19.8	48.6	93.7	106.3	106.3
72.5°	82.9	84.7	79.3	37.8	18.0	37.8	72.0	82.9	82.9
75°	59.4	63.0	59.4	28.8	16.2	28.8	55.8	61.2	63.0
77.5°	34.2	43.2	43.2	23.4	12.6	21.6	39.6	41.4	41.4
80°	23.4	27.0	30.6	16.2	9.0	16.2	25.2	27.0	25.2
82.5°	16.2	18.0	18.0	10.8	7.2	10.8	16.2	18.0	16.2
85°	9.0	12.6	12.6	9.0	5.4	7.2	9.0	10.8	9.0
87.5°	5.4	7.2	9.0	7.2	5.4	5.4	5.4	5.4	3.6
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)