

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: P799692

Luminaire Tested: **LD6C40D010 EU6409040 6LBMDDWWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799692
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 EU6409040 6LBMDDWWH
Description: 6 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

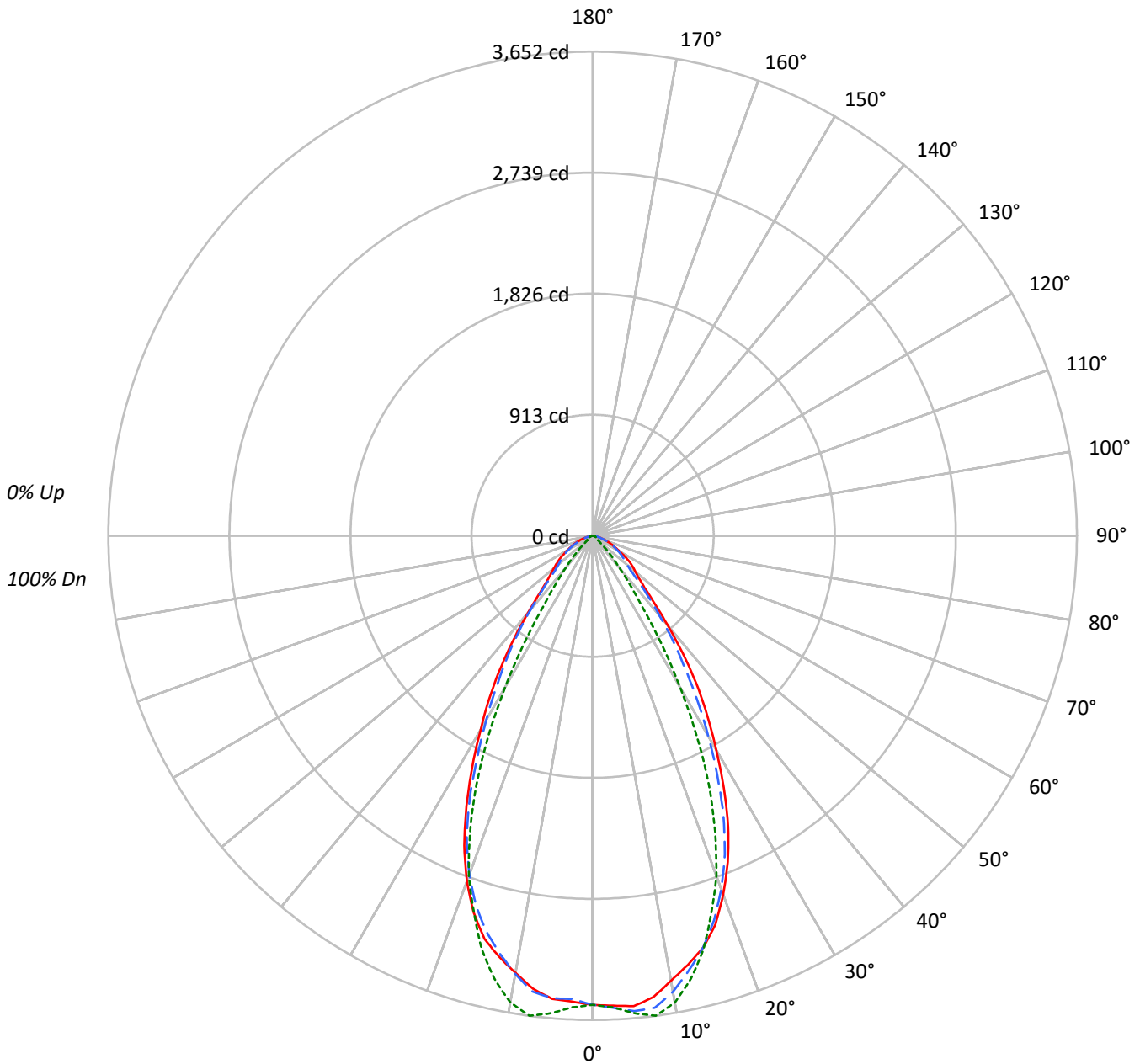
Lumens per Lamp: N/A
Luminaire Lumens: 3602.0 lumens
Efficiency: N/A
Efficacy: 76.6 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	193959	193959	193959
5°	195988	198959	192917
10°	189637	198955	186336
15°	182521	183236	178639
20°	167980	159165	161685
25°	146192	125511	136181
30°	117904	83386	106972
35°	91410	42998	80334
40°	62718	22277	54094
45°	42973	11164	37950
50°	35760	4759	32536
55°	32161	4129	29065
60°	25458	3947	24274
65°	21014	3502	20780
70°	17022	3174	17022
75°	12581	3431	13344
80°	7387	2841	7956
85°	5661	3397	5661



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	336.8	9.3
10°-20°	884.0	24.5
20°-30°	1009.0	28.0
30°-40°	669.1	18.6
40°-50°	322.7	9.0
50°-60°	198.5	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°	2229.8	61.9
0°-40°	2898.9	80.5
0°-60°	3420.2	95.0
0°-90°	3602.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3602.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3538	3538	3538	3538	3538	
5°	3562	3599	3616	3500	3506	335
15°	3216	3216	3229	3092	3148	896
25°	2417	2336	2075	2196	2251	1096
35°	1366	1204	642	1123	1200	845
45°	554	486	144	454	490	452
55°	336	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°	3538.1	3538.1	3538.1	3538.1	3538.1	3538.1	3538.1	3538.1	3538.1
2.5°	3547.1	3552.5	3563.3	3565.1	3559.7	3525.5	3496.7	3507.5	3516.5
5°	3561.5	3572.3	3599.3	3624.5	3615.5	3557.9	3500.3	3498.5	3505.7
7.5°	3509.3	3534.5	3590.3	3653.3	3651.5	3552.5	3467.9	3446.3	3446.3
10°	3406.7	3430.1	3491.3	3575.9	3574.1	3449.9	3356.3	3345.6	3347.4
12.5°	3315.0	3325.8	3356.3	3422.9	3422.9	3300.6	3228.6	3239.4	3253.8
15°	3216.0	3223.2	3216.0	3237.6	3228.6	3127.8	3091.8	3126.0	3147.6
17.5°	3075.6	3079.2	3041.4	3012.6	2978.4	2915.4	2924.4	2974.8	2980.2
20°	2879.4	2902.8	2834.5	2760.7	2728.3	2668.9	2719.3	2775.1	2771.5
22.5°	2663.5	2690.5	2602.3	2479.9	2413.3	2389.9	2479.9	2530.3	2528.5
25°	2416.9	2436.7	2335.9	2165.0	2075.0	2071.4	2195.6	2247.8	2251.4
27.5°	2139.8	2147.0	2033.6	1810.4	1698.9	1725.9	1882.4	1954.4	1963.4
30°	1862.6	1859.0	1742.1	1464.9	1317.3	1391.1	1601.7	1680.9	1689.9
32.5°	1608.9	1598.1	1464.9	1133.8	957.4	1067.2	1344.3	1427.1	1441.5
35°	1365.9	1347.9	1204.0	838.6	642.5	806.2	1123.0	1195.0	1200.4
37.5°	1112.2	1103.2	989.8	628.1	448.1	611.9	916.0	968.2	962.8
40°	876.4	876.4	782.8	466.1	311.3	455.3	725.3	772.1	755.9
42.5°	687.5	696.5	617.3	343.7	221.4	338.3	574.1	617.3	599.3
45°	554.3	554.3	485.9	255.6	144.0	252.0	453.5	493.1	489.5
47.5°	469.7	462.5	394.1	187.2	79.2	189.0	381.5	430.1	428.3
50°	419.3	408.5	338.3	147.6	55.8	156.6	334.7	379.7	381.5
52.5°	379.7	363.5	304.1	131.4	48.6	136.8	304.1	340.1	340.1
55°	336.5	327.5	273.5	117.0	43.2	122.4	273.5	305.9	304.1
57.5°	284.3	282.5	244.8	106.2	39.6	108.0	244.8	264.5	257.4
60°	232.2	239.4	212.4	95.4	36.0	97.2	208.8	225.0	221.4
62.5°	194.4	203.4	185.4	84.6	30.6	86.4	176.4	192.6	189.0
65°	162.0	169.2	154.8	72.0	27.0	72.0	145.8	160.2	160.2
67.5°	133.2	138.6	127.8	59.4	23.4	59.4	118.8	131.4	133.2
70°	106.2	109.8	100.8	46.8	19.8	48.6	93.6	106.2	106.2
72.5°	82.8	84.6	79.2	37.8	18.0	37.8	72.0	82.8	82.8
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)