

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: P799552

Luminaire Tested: **LD6C30D010 EU6309030 6LBMDSWLI**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799552
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: LD6C30D010 EU6309030 6LBMDSWLI
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

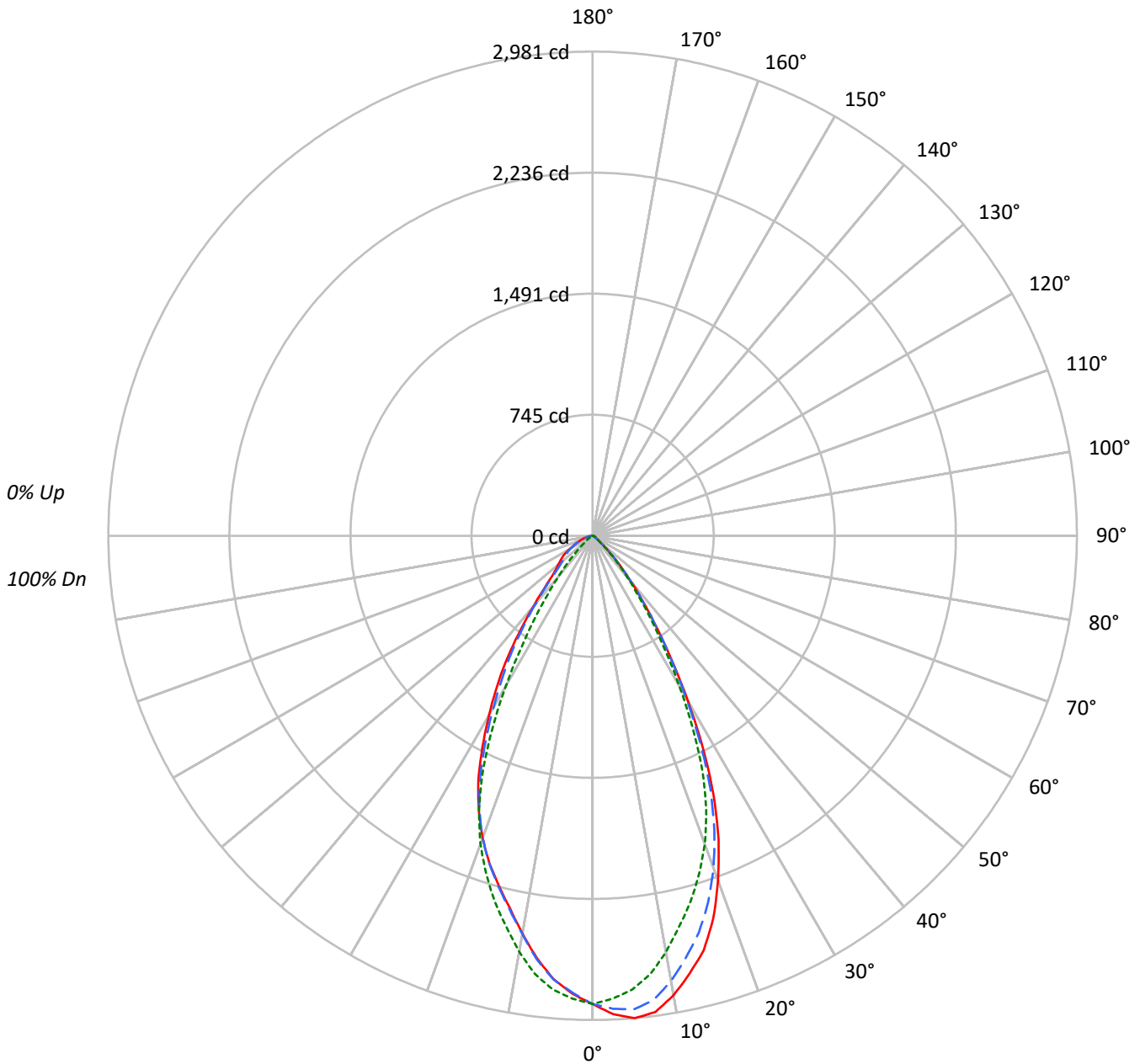
Lumens per Lamp: N/A
Luminaire Lumens: 2482.0 lumens
Efficiency: N/A
Efficacy: 78.5 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 31.6
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°	158036	158036	158036
5°	164049	154330	150836
10°	159850	144759	138391
15°	149916	132271	126556
20°	131611	117756	115504
25°	106446	96743	100730
30°	73999	67390	80614
35°	45608	41285	60840
40°	25813	23143	40404
45°	12536	11955	27577
50°	4776	4776	23436
55°	2619	3087	21629
60°	1908	2456	17729
65°	1608	2101	14515
70°	1394	1795	11957
75°	1313	1843	10273
80°	789	1578	7450
85°	755	3145	7045



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.9	10.6
10°-20°	663.3	26.7
20°-30°	746.7	30.1
30°-40°	462.4	18.6
40°-50°	184.1	7.4
50°-60°	83.8	3.4
60°-70°	48.2	1.9
70°-80°	22.9	0.9
80°-90°	6.7	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°	1673.9	67.4
0°-40°	2136.3	86.1
0°-60°	2404.3	96.9
0°-90°	2482.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2482.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2883	2883	2883	2883	2883	
5°	2981	2926	2804	2744	2741	281
15°	2642	2527	2331	2236	2230	731
25°	1760	1712	1599	1639	1665	791
35°	682	678	617	859	909	438
45°	162	162	154	336	356	137
55°	27	26	32	199	226	27
65°	12	11	16	111	112	12
75°	6	6	9	47	48	6
85°	1	1	5	11	11	1
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°	2882.8	2882.8	2882.8	2882.8	2882.8	2882.8	2882.8	2882.8	2882.8
2.5°	2948.7	2921.4	2915.1	2891.5	2851.7	2829.3	2815.7	2805.7	2823.1
5°	2981.1	2951.2	2926.3	2877.8	2804.5	2763.4	2743.5	2727.4	2741.0
7.5°	2957.4	2915.1	2881.6	2814.4	2721.1	2657.7	2630.3	2611.7	2624.1
10°	2871.6	2820.6	2782.1	2702.5	2600.5	2524.6	2491.1	2473.6	2486.1
12.5°	2759.7	2717.4	2659.0	2571.9	2462.5	2382.9	2358.0	2344.3	2349.3
15°	2641.5	2591.8	2527.1	2440.1	2330.6	2251.0	2236.1	2227.4	2229.9
17.5°	2469.9	2421.4	2365.4	2280.9	2180.1	2115.5	2115.5	2109.3	2113.0
20°	2256.0	2229.9	2175.2	2104.3	2018.5	1960.0	1978.7	1972.4	1979.9
22.5°	2024.7	2004.8	1957.5	1899.1	1826.9	1780.9	1822.0	1820.7	1830.7
25°	1759.8	1744.9	1712.5	1662.8	1599.4	1570.7	1639.1	1639.1	1665.3
27.5°	1467.5	1452.6	1430.2	1387.9	1335.7	1327.0	1427.7	1440.2	1468.8
30°	1169.0	1159.1	1146.7	1108.1	1064.6	1080.7	1220.0	1241.2	1273.5
32.5°	902.9	896.7	893.0	858.1	819.6	873.1	1032.2	1059.6	1091.9
35°	681.5	667.8	677.8	651.7	616.9	684.0	859.4	883.0	909.1
37.5°	502.4	492.5	501.2	482.5	451.4	524.8	690.2	705.2	722.6
40°	360.7	352.0	359.4	348.2	323.4	391.8	541.0	557.2	564.6
42.5°	256.2	241.3	248.7	240.0	227.6	294.7	425.3	440.3	442.7
45°	161.7	156.7	161.7	156.7	154.2	218.9	335.8	349.5	355.7
47.5°	98.2	92.0	92.0	89.5	92.0	161.7	277.3	297.2	307.2
50°	56.0	53.5	52.2	51.0	56.0	126.9	240.0	262.4	274.8
52.5°	37.3	36.1	36.1	34.8	41.0	107.0	216.4	236.3	248.7
55°	27.4	26.1	26.1	26.1	32.3	92.0	199.0	215.2	226.3
57.5°	21.1	21.1	21.1	19.9	27.4	78.4	177.8	186.5	195.3
60°	17.4	16.2	16.2	16.2	22.4	67.2	153.0	156.7	161.7
62.5°	13.7	13.7	13.7	13.7	18.7	59.7	131.8	131.8	134.3
65°	12.4	11.2	11.2	11.2	16.2	52.2	110.7	109.4	111.9
67.5°	9.9	9.9	9.9	9.9	13.7	44.8	90.8	89.5	92.0
70°	8.7	8.7	8.7	8.7	11.2	37.3	73.4	72.1	74.6
72.5°	7.5	7.5	7.5	7.5	9.9	31.1	58.5	58.5	59.7
75°	6.2	6.2	6.2	6.2	8.7	23.6	47.3	47.3	48.5
77.5°	5.0	5.0	5.0	5.0	6.2	18.7	36.1	34.8	34.8
80°	2.5	3.7	3.7	3.7	5.0	13.7	26.1	23.6	23.6
82.5°	1.2	2.5	2.5	2.5	5.0	9.9	17.4	16.2	16.2
85°	1.2	1.2	1.2	3.7	5.0	7.5	11.2	11.2	11.2
87.5°	0.0	1.2	2.5	5.0	6.2	6.2	7.5	6.2	6.2
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)