

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: P799588

Luminaire Tested: **LD6C30D010 EU6309050 6LBMDSWLI**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799588
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 EU6309050 6LBMDSWLI
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

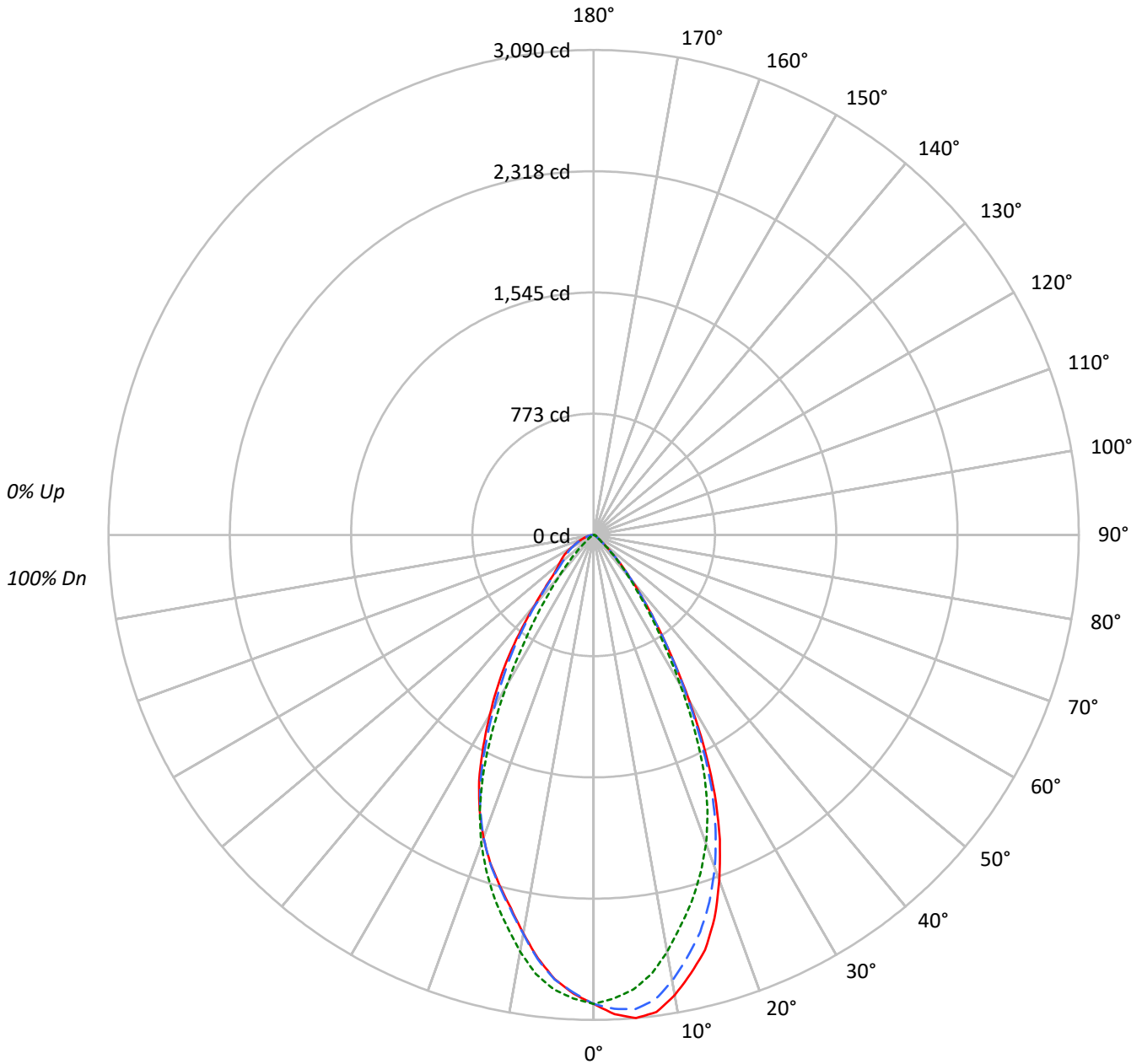
Lumens per Lamp: N/A
Luminaire Lumens: 2573.0 lumens
Efficiency: N/A
Efficacy: 81.4 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	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°	163830	163830	163830
5°	170063	159987	156367
10°	165712	150064	143462
15°	155415	137123	131193
20°	136436	122073	119740
25°	110347	100288	104419
30°	76714	69859	83570
35°	47281	42797	63068
40°	26757	23988	41886
45°	12994	12397	28584
50°	4947	4947	24298
55°	2714	3202	22422
60°	1974	2544	18376
65°	1673	2179	15047
70°	1443	1859	12406
75°	1356	1906	10654
80°	821	1642	7735
85°	818	3271	7296



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.6	10.6
10°-20°	687.6	26.7
20°-30°	774.1	30.1
30°-40°	479.3	18.6
40°-50°	190.9	7.4
50°-60°	86.9	3.4
60°-70°	50.0	1.9
70°-80°	23.7	0.9
80°-90°	6.9	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°	1735.3	67.4
0°-40°	2214.6	86.1
0°-60°	2492.4	96.9
0°-90°	2573.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2573.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2988	2988	2988	2988	2988	
5°	3090	3034	2907	2844	2842	291
15°	2738	2620	2416	2318	2312	758
25°	1824	1775	1658	1699	1726	820
35°	706	703	640	891	942	454
45°	168	168	160	348	369	142
55°	28	27	34	206	235	28
65°	13	12	17	115	116	13
75°	6	6	9	49	50	7
85°	1	1	5	12	12	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°	2988.5	2988.5	2988.5	2988.5	2988.5	2988.5	2988.5	2988.5	2988.5
2.5°	3056.8	3028.5	3022.0	2997.5	2956.3	2933.1	2918.9	2908.6	2926.6
5°	3090.4	3059.4	3033.6	2983.3	2907.3	2864.7	2844.1	2827.3	2841.5
7.5°	3065.9	3022.0	2987.2	2917.6	2820.9	2755.2	2726.8	2707.4	2720.3
10°	2976.9	2924.0	2884.1	2801.6	2695.8	2617.2	2582.4	2564.3	2577.2
12.5°	2860.9	2817.0	2756.4	2666.2	2552.7	2470.2	2444.4	2430.3	2435.4
15°	2738.4	2686.8	2619.8	2529.5	2416.1	2333.6	2318.1	2309.1	2311.6
17.5°	2560.5	2510.2	2452.2	2364.5	2260.1	2193.0	2193.0	2186.6	2190.5
20°	2338.7	2311.6	2254.9	2181.4	2092.5	2031.9	2051.2	2044.8	2052.5
22.5°	2098.9	2078.3	2029.3	1968.7	1893.9	1846.2	1888.8	1887.5	1897.8
25°	1824.3	1808.8	1775.3	1723.7	1658.0	1628.3	1699.2	1699.2	1726.3
27.5°	1521.3	1505.9	1482.7	1438.8	1384.7	1375.6	1480.1	1493.0	1522.6
30°	1211.9	1201.6	1188.7	1148.7	1103.6	1120.4	1264.8	1286.7	1320.2
32.5°	936.0	929.6	925.7	889.6	849.6	905.1	1070.1	1098.5	1132.0
35°	706.5	692.3	702.6	675.6	639.5	709.1	890.9	915.4	942.4
37.5°	520.9	510.5	519.6	500.2	468.0	544.1	715.5	731.0	749.1
40°	373.9	364.9	372.6	361.0	335.2	406.1	560.8	577.6	585.3
42.5°	265.6	250.1	257.9	248.8	235.9	305.6	440.9	456.4	459.0
45°	167.6	162.4	167.6	162.4	159.9	226.9	348.1	362.3	368.7
47.5°	101.9	95.4	95.4	92.8	95.4	167.6	287.5	308.1	318.4
50°	58.0	55.4	54.1	52.9	58.0	131.5	248.8	272.0	284.9
52.5°	38.7	37.4	37.4	36.1	42.5	110.9	224.3	245.0	257.9
55°	28.4	27.1	27.1	27.1	33.5	95.4	206.3	223.0	234.6
57.5°	21.9	21.9	21.9	20.6	28.4	81.2	184.4	193.4	202.4
60°	18.0	16.8	16.8	16.8	23.2	69.6	158.6	162.4	167.6
62.5°	14.2	14.2	14.2	14.2	19.3	61.9	136.7	136.7	139.2
65°	12.9	11.6	11.6	11.6	16.8	54.1	114.7	113.5	116.0
67.5°	10.3	10.3	10.3	10.3	14.2	46.4	94.1	92.8	95.4
70°	9.0	9.0	9.0	9.0	11.6	38.7	76.1	74.8	77.4
72.5°	7.7	7.7	7.7	7.7	10.3	32.2	60.6	60.6	61.9
75°	6.4	6.4	6.4	6.4	9.0	24.5	49.0	49.0	50.3
77.5°	5.2	5.2	5.2	5.2	6.4	19.3	37.4	36.1	36.1
80°	2.6	3.9	3.9	3.9	5.2	14.2	27.1	24.5	24.5
82.5°	1.3	2.6	2.6	2.6	5.2	10.3	18.0	16.8	16.8
85°	1.3	1.3	1.3	3.9	5.2	7.7	11.6	11.6	11.6
87.5°	0.0	1.3	2.6	5.2	6.4	6.4	7.7	6.4	6.4
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)