

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: P799572

Luminaire Tested: **LD6C30D010 EU6309040 6LBMDDWWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799572
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: LD6C30D010 EU6309040 6LBMDDWWH
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

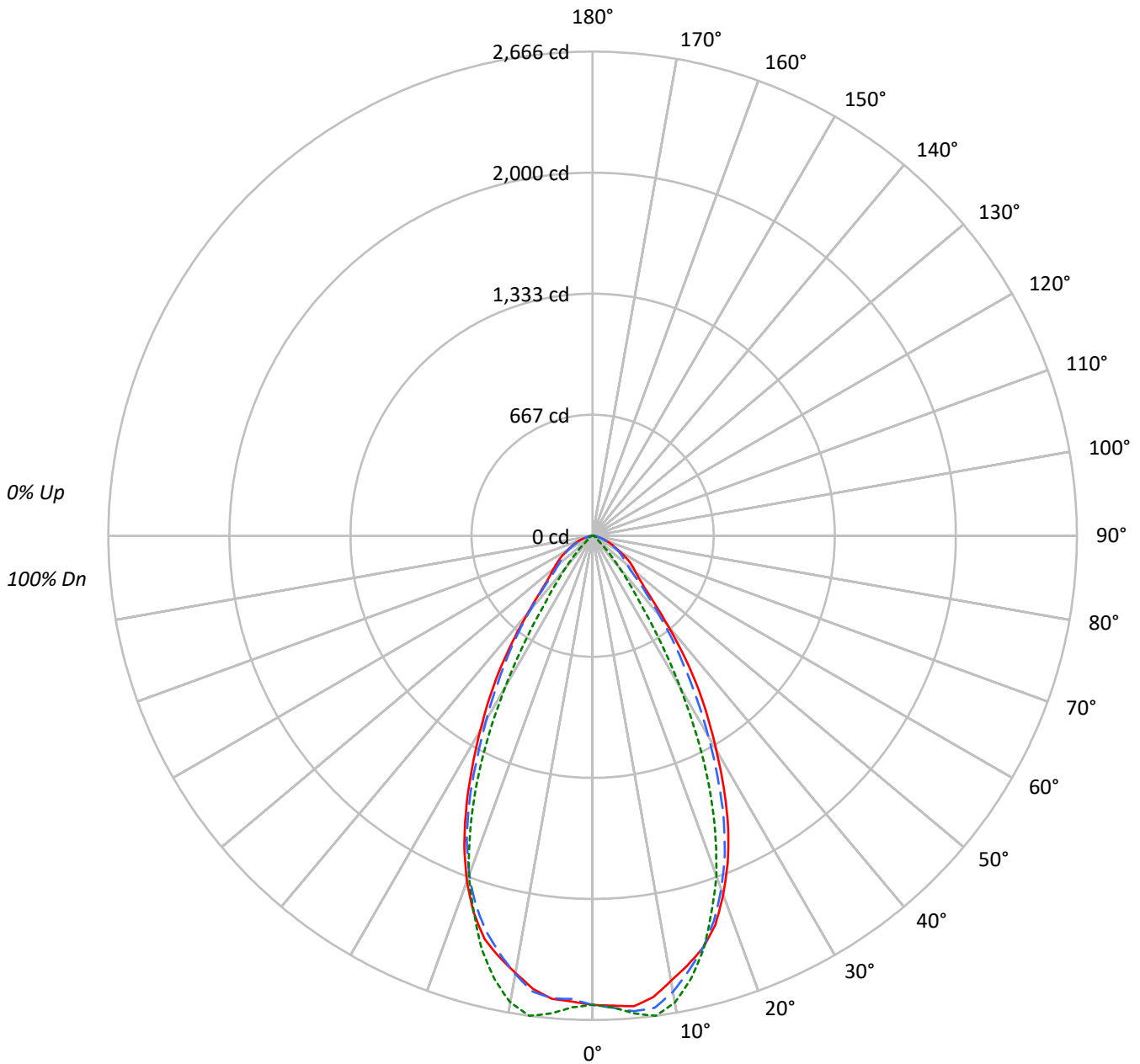
Lumens per Lamp: N/A
Luminaire Lumens: 2630.0 lumens
Efficiency: N/A
Efficacy: 83.2 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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			
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°	141622	141622	141622
5°	143099	145273	140859
10°	138463	145266	136053
15°	133264	133786	130432
20°	122651	116210	118054
25°	106742	91644	99429
30°	86089	60889	78107
35°	66742	31394	58651
40°	45793	16266	39495
45°	31375	8148	27708
50°	26114	3471	23760
55°	23483	3011	21227
60°	18584	2884	17718
65°	15345	2555	15164
70°	12422	2324	12422
75°	9193	2499	9743
80°	5398	2084	5809
85°	4151	2453	4151



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.9	9.4
10°-20°	645.4	24.5
20°-30°	736.7	28.0
30°-40°	488.6	18.6
40°-50°	235.6	9.0
50°-60°	145.0	5.5
60°-70°	87.7	3.3
70°-80°	36.9	1.4
80°-90°	8.1	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°	1628.1	61.9
0°-40°	2116.6	80.5
0°-60°	2497.2	95.0
0°-90°	2630.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2630.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2583	2583	2583	2583	2583	
5°	2600	2628	2640	2556	2560	244
15°	2348	2348	2357	2258	2298	654
25°	1765	1706	1515	1603	1644	800
35°	997	879	469	820	876	617
45°	405	355	105	331	357	330
55°	246	200	32	200	222	216
65°	118	113	20	106	117	119
75°	43	43	12	41	46	46
85°	7	9	4	7	7	8
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°	2583.4	2583.4	2583.4	2583.4	2583.4	2583.4	2583.4	2583.4	2583.4
2.5°	2589.9	2593.9	2601.8	2603.1	2599.1	2574.2	2553.1	2561.0	2567.6
5°	2600.4	2608.3	2628.0	2646.4	2639.9	2597.8	2555.8	2554.4	2559.7
7.5°	2562.3	2580.7	2621.5	2667.5	2666.1	2593.9	2532.1	2516.3	2516.3
10°	2487.4	2504.5	2549.2	2610.9	2609.6	2519.0	2450.6	2442.8	2444.1
12.5°	2420.4	2428.3	2450.6	2499.3	2499.3	2409.9	2357.3	2365.2	2375.7
15°	2348.1	2353.4	2348.1	2363.9	2357.3	2283.8	2257.5	2282.4	2298.2
17.5°	2245.7	2248.3	2220.7	2199.7	2174.7	2128.7	2135.3	2172.1	2176.0
20°	2102.4	2119.5	2069.6	2015.7	1992.0	1948.7	1985.5	2026.2	2023.6
22.5°	1944.7	1964.5	1900.1	1810.7	1762.1	1745.0	1810.7	1847.5	1846.2
25°	1764.7	1779.2	1705.6	1580.8	1515.1	1512.4	1603.1	1641.2	1643.8
27.5°	1562.4	1567.6	1484.8	1321.9	1240.4	1260.1	1374.5	1427.0	1433.6
30°	1360.0	1357.4	1272.0	1069.6	961.9	1015.7	1169.5	1227.3	1233.9
32.5°	1174.7	1166.8	1069.6	827.8	699.1	779.2	981.6	1042.0	1052.5
35°	997.3	984.2	879.1	612.3	469.1	588.7	819.9	872.5	876.4
37.5°	812.1	805.5	722.7	458.6	327.2	446.8	668.8	706.9	703.0
40°	639.9	639.9	571.6	340.3	227.3	332.4	529.5	563.7	551.9
42.5°	502.0	508.5	450.7	251.0	161.6	247.0	419.2	450.7	437.6
45°	404.7	404.7	354.8	186.6	105.1	184.0	331.1	360.0	357.4
47.5°	343.0	337.7	287.8	136.7	57.8	138.0	278.6	314.0	312.7
50°	306.2	298.3	247.0	107.7	40.7	114.3	244.4	277.3	278.6
52.5°	277.3	265.4	222.1	95.9	35.5	99.9	222.1	248.3	248.3
55°	245.7	239.2	199.7	85.4	31.5	89.4	199.7	223.4	222.1
57.5°	207.6	206.3	178.7	77.5	28.9	78.8	178.7	193.2	187.9
60°	169.5	174.8	155.1	69.6	26.3	71.0	152.4	164.3	161.6
62.5°	141.9	148.5	135.3	61.8	22.3	63.1	128.8	140.6	138.0
65°	118.3	123.5	113.0	52.6	19.7	52.6	106.4	116.9	116.9
67.5°	97.2	101.2	93.3	43.4	17.1	43.4	86.7	95.9	97.2
70°	77.5	80.2	73.6	34.2	14.5	35.5	68.3	77.5	77.5
72.5°	60.4	61.8	57.8	27.6	13.1	27.6	52.6	60.4	60.4
75°	43.4	46.0	43.4	21.0	11.8	21.0	40.7	44.7	46.0
77.5°	25.0	31.5	31.5	17.1	9.2	15.8	28.9	30.2	30.2
80°	17.1	19.7	22.3	11.8	6.6	11.8	18.4	19.7	18.4
82.5°	11.8	13.1	13.1	7.9	5.3	7.9	11.8	13.1	11.8
85°	6.6	9.2	9.2	6.6	3.9	5.3	6.6	7.9	6.6
87.5°	3.9	5.3	6.6	5.3	3.9	3.9	3.9	3.9	2.6
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)