

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: P799575

Luminaire Tested: **LD6C30D010 EU6309040 6LBMDSWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799575
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 EU6309040 6LBMDSWH
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

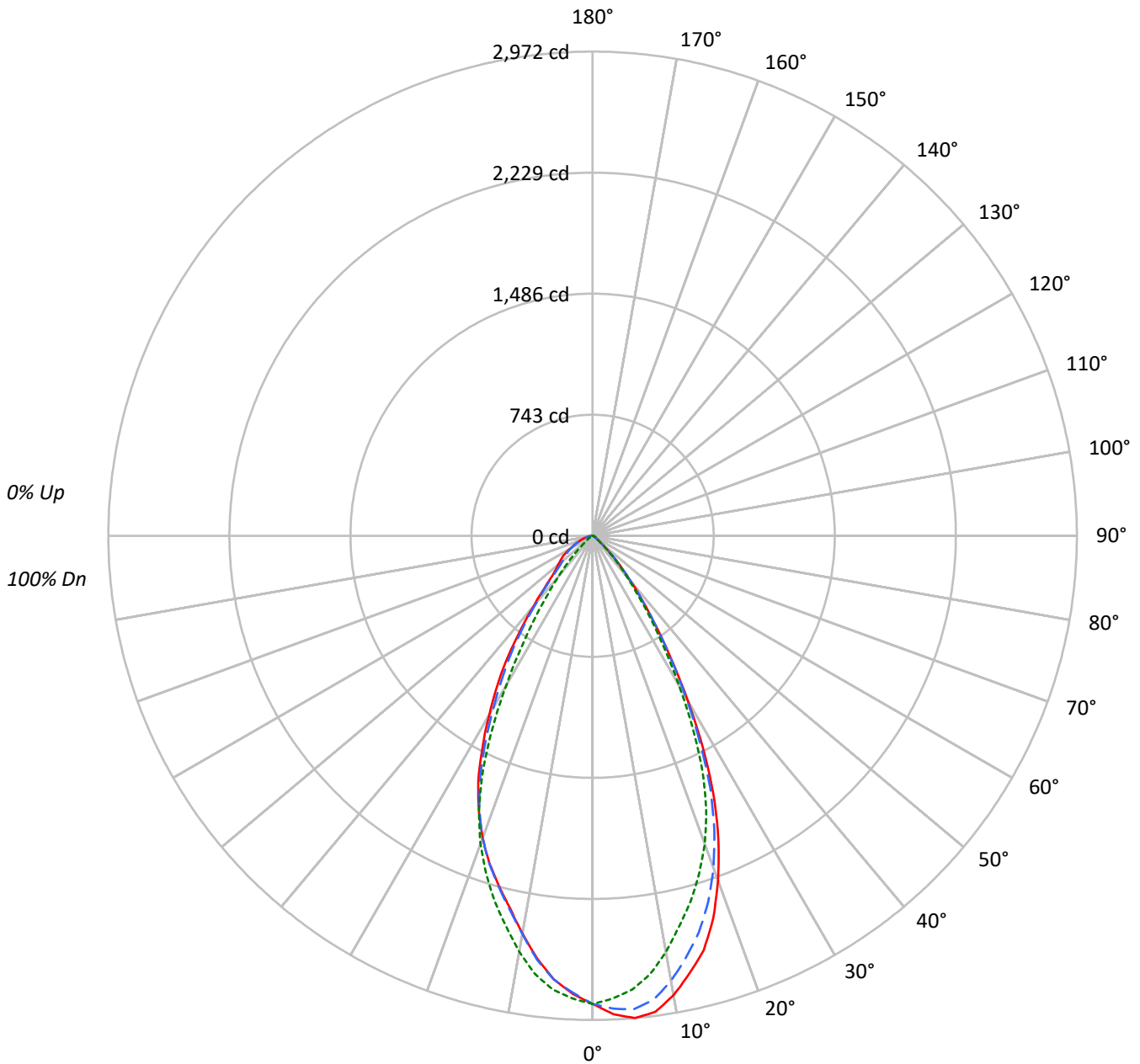
Lumens per Lamp: N/A
Luminaire Lumens: 2474.0 lumens
Efficiency: N/A
Efficacy: 78.3 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	157526	157526	157526
5°	163520	153830	150352
10°	159338	144291	137946
15°	149433	131845	126147
20°	131186	117377	115131
25°	106101	96429	100403
30°	73765	67169	80354
35°	45461	41151	60646
40°	25727	23065	40275
45°	12497	11916	27483
50°	4759	4759	23368
55°	2609	3078	21562
60°	1908	2445	17674
65°	1608	2088	14476
70°	1394	1795	11925
75°	1313	1843	10230
80°	789	1578	7450
85°	755	3145	7045



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.1	10.6
10°-20°	661.2	26.7
20°-30°	744.3	30.1
30°-40°	460.9	18.6
40°-50°	183.5	7.4
50°-60°	83.5	3.4
60°-70°	48.0	1.9
70°-80°	22.8	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°	1668.5	67.4
0°-40°	2129.4	86.1
0°-60°	2396.5	96.9
0°-90°	2474.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2474.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2874	2874	2874	2874	2874	
5°	2972	2917	2795	2735	2732	280
15°	2633	2519	2323	2229	2223	728
25°	1754	1707	1594	1634	1660	788
35°	679	676	615	857	906	437
45°	161	161	154	335	354	137
55°	27	26	32	198	226	27
65°	12	11	16	110	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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CATALOG NUMBER: LD6C30D010 EU6309040 6LBMSWH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	2873.5	2873.5	2873.5	2873.5	2873.5	2873.5	2873.5	2873.5	2873.5
2.5°	2939.2	2911.9	2905.8	2882.2	2842.5	2820.2	2806.6	2796.7	2814.0
5°	2971.5	2941.7	2916.9	2868.6	2795.4	2754.5	2734.7	2718.6	2732.2
7.5°	2947.9	2905.8	2872.3	2805.3	2712.4	2649.1	2621.9	2603.3	2615.7
10°	2862.4	2811.5	2773.1	2693.8	2592.1	2516.5	2483.0	2465.7	2478.1
12.5°	2750.8	2708.6	2650.4	2563.6	2454.5	2375.2	2350.4	2336.7	2341.7
15°	2633.0	2583.4	2519.0	2432.2	2323.1	2243.8	2228.9	2220.2	2222.7
17.5°	2462.0	2413.6	2357.8	2273.5	2173.1	2108.7	2108.7	2102.5	2106.2
20°	2248.7	2222.7	2168.2	2097.5	2012.0	1953.7	1972.3	1966.1	1973.5
22.5°	2018.2	1998.3	1951.2	1893.0	1821.1	1775.2	1816.1	1814.9	1824.8
25°	1754.1	1739.2	1707.0	1657.4	1594.2	1565.7	1633.9	1633.9	1659.9
27.5°	1462.8	1447.9	1425.6	1383.5	1331.4	1322.7	1423.1	1435.5	1464.0
30°	1165.3	1155.4	1143.0	1104.5	1061.1	1077.3	1216.1	1237.2	1269.4
32.5°	900.0	893.8	890.1	855.4	816.9	870.2	1028.9	1056.2	1088.4
35°	679.3	665.7	675.6	649.6	614.9	681.8	856.6	880.2	906.2
37.5°	500.8	490.9	499.6	481.0	450.0	523.1	688.0	702.9	720.2
40°	359.5	350.8	358.3	347.1	322.3	390.5	539.2	555.4	562.8
42.5°	255.4	240.5	247.9	239.3	226.9	293.8	424.0	438.8	441.3
45°	161.2	156.2	161.2	156.2	153.7	218.2	334.7	348.3	354.5
47.5°	97.9	91.7	91.7	89.3	91.7	161.2	276.4	296.3	306.2
50°	55.8	53.3	52.1	50.8	55.8	126.4	239.3	261.6	274.0
52.5°	37.2	35.9	35.9	34.7	40.9	106.6	215.7	235.5	247.9
55°	27.3	26.0	26.0	26.0	32.2	91.7	198.3	214.5	225.6
57.5°	21.1	21.1	21.1	19.8	27.3	78.1	177.3	185.9	194.6
60°	17.4	16.1	16.1	16.1	22.3	66.9	152.5	156.2	161.2
62.5°	13.6	13.6	13.6	13.6	18.6	59.5	131.4	131.4	133.9
65°	12.4	11.2	11.2	11.2	16.1	52.1	110.3	109.1	111.6
67.5°	9.9	9.9	9.9	9.9	13.6	44.6	90.5	89.3	91.7
70°	8.7	8.7	8.7	8.7	11.2	37.2	73.1	71.9	74.4
72.5°	7.4	7.4	7.4	7.4	9.9	31.0	58.3	58.3	59.5
75°	6.2	6.2	6.2	6.2	8.7	23.6	47.1	47.1	48.3
77.5°	5.0	5.0	5.0	5.0	6.2	18.6	35.9	34.7	34.7
80°	2.5	3.7	3.7	3.7	5.0	13.6	26.0	23.6	23.6
82.5°	1.2	2.5	2.5	2.5	5.0	9.9	17.4	16.1	16.1
85°	1.2	1.2	1.2	3.7	5.0	7.4	11.2	11.2	11.2
87.5°	0.0	1.2	2.5	5.0	6.2	6.2	7.4	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)