

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: P799489

Luminaire Tested: **LD6C25D010 EU6259030 6LBMDDWWMH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799489
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: LD6C25D010 EU6259030 6LBMDDWWMH
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

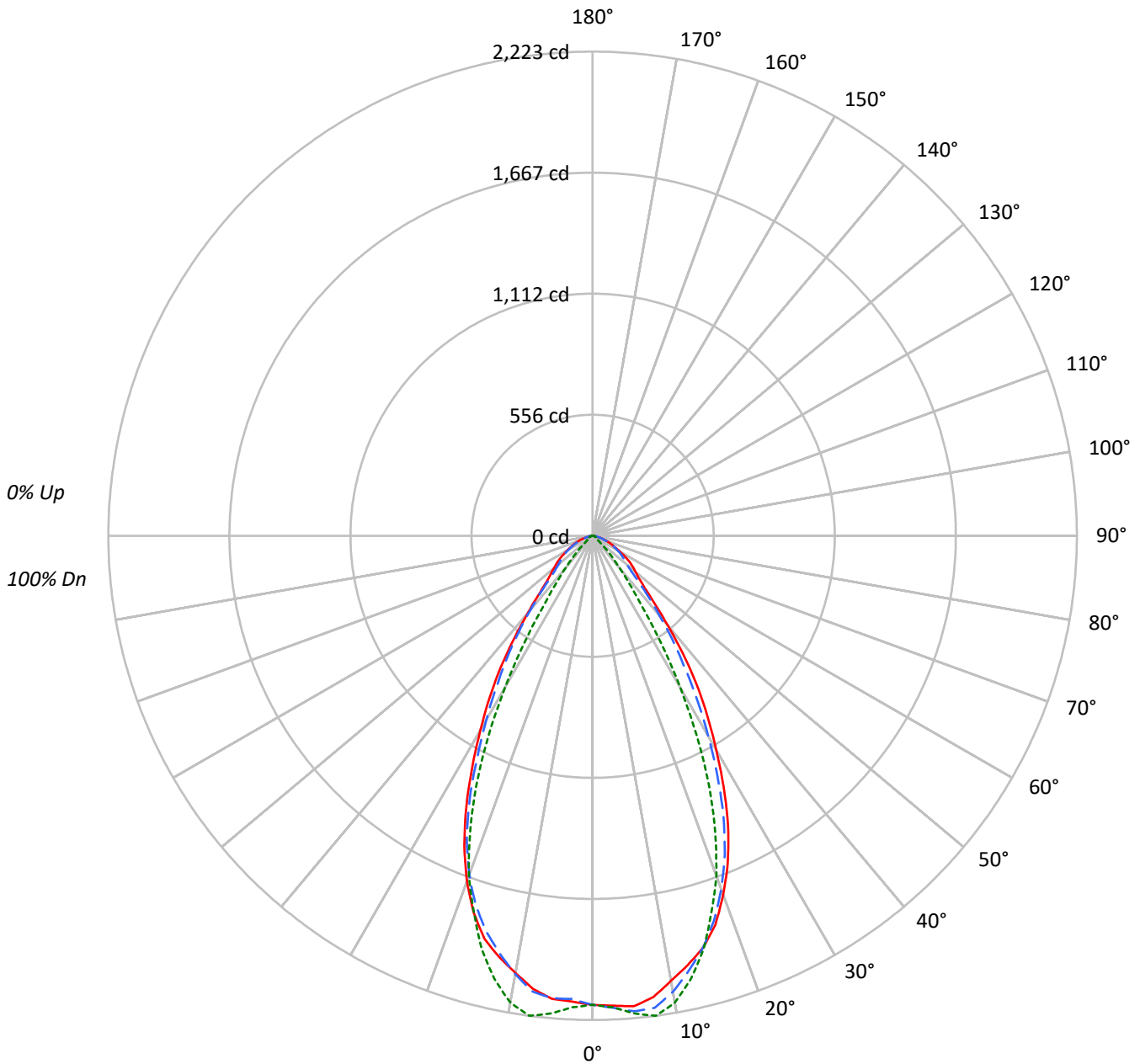
Lumens per Lamp: N/A
Luminaire Lumens: 2193.0 lumens
Efficiency: N/A
Efficacy: 69.6 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 31.5
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°	118088	118088	118088
5°	119321	121131	117455
10°	115457	121129	113447
15°	111124	111556	108758
20°	102273	96900	98434
25°	89007	76414	82910
30°	71783	50767	65124
35°	55653	26180	48907
40°	38186	13568	32933
45°	26166	6799	23103
50°	21773	2900	19812
55°	19584	2514	17701
60°	15492	2401	14780
65°	12790	2127	12647
70°	10354	1939	10354
75°	7667	2097	8112
80°	4483	1736	4830
85°	3459	2076	3459



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.0	9.4
10°-20°	538.2	24.5
20°-30°	614.3	28.0
30°-40°	407.4	18.6
40°-50°	196.5	9.0
50°-60°	120.9	5.5
60°-70°	73.1	3.3
70°-80°	30.8	1.4
80°-90°	6.8	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°	1357.5	61.9
0°-40°	1764.9	80.5
0°-60°	2082.3	95.0
0°-90°	2193.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2193.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2154	2154	2154	2154	2154	
5°	2168	2191	2201	2131	2134	204
15°	1958	1958	1966	1882	1916	546
25°	1472	1422	1263	1337	1371	667
35°	832	733	391	684	731	514
45°	338	296	88	276	298	275
55°	205	166	26	166	185	180
65°	99	94	16	89	98	99
75°	36	36	10	34	38	39
85°	6	8	3	6	6	7
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°	2154.1	2154.1	2154.1	2154.1	2154.1	2154.1	2154.1	2154.1	2154.1
2.5°	2159.6	2162.9	2169.4	2170.5	2167.3	2146.4	2128.9	2135.5	2141.0
5°	2168.3	2174.9	2191.4	2206.7	2201.2	2166.2	2131.1	2130.0	2134.4
7.5°	2136.6	2151.9	2185.9	2224.2	2223.1	2162.9	2111.4	2098.2	2098.2
10°	2074.1	2088.4	2125.6	2177.1	2176.0	2100.4	2043.4	2036.9	2038.0
12.5°	2018.2	2024.8	2043.4	2084.0	2084.0	2009.5	1965.6	1972.2	1981.0
15°	1958.0	1962.4	1958.0	1971.1	1965.6	1904.3	1882.4	1903.2	1916.3
17.5°	1872.5	1874.7	1851.7	1834.2	1813.3	1775.0	1780.5	1811.2	1814.4
20°	1753.1	1767.3	1725.7	1680.8	1661.0	1624.9	1655.6	1689.5	1687.3
22.5°	1621.6	1638.0	1584.4	1509.8	1469.3	1455.1	1509.8	1540.5	1539.4
25°	1471.5	1483.5	1422.2	1318.1	1263.3	1261.1	1336.7	1368.5	1370.7
27.5°	1302.8	1307.1	1238.1	1102.3	1034.3	1050.8	1146.1	1189.9	1195.4
30°	1134.0	1131.8	1060.6	891.9	802.0	847.0	975.2	1023.4	1028.8
32.5°	979.5	973.0	891.9	690.3	582.9	649.7	818.5	868.9	877.6
35°	831.6	820.7	733.0	510.6	391.2	490.9	683.7	727.5	730.8
37.5°	677.1	671.7	602.6	382.4	272.8	372.5	557.7	589.5	586.2
40°	533.6	533.6	476.6	283.8	189.6	277.2	441.6	470.0	460.2
42.5°	418.5	424.0	375.8	209.3	134.8	206.0	349.5	375.8	364.9
45°	337.5	337.5	295.8	155.6	87.7	153.4	276.1	300.2	298.0
47.5°	286.0	281.6	240.0	114.0	48.2	115.0	232.3	261.9	260.8
50°	255.3	248.7	206.0	89.8	34.0	95.3	203.8	231.2	232.3
52.5°	231.2	221.3	185.2	80.0	29.6	83.3	185.2	207.1	207.1
55°	204.9	199.4	166.5	71.2	26.3	74.5	166.5	186.3	185.2
57.5°	173.1	172.0	149.0	64.6	24.1	65.7	149.0	161.1	156.7
60°	141.3	145.7	129.3	58.1	21.9	59.2	127.1	137.0	134.8
62.5°	118.3	123.8	112.9	51.5	18.6	52.6	107.4	117.2	115.0
65°	98.6	103.0	94.2	43.8	16.4	43.8	88.7	97.5	97.5
67.5°	81.1	84.4	77.8	36.2	14.2	36.2	72.3	80.0	81.1
70°	64.6	66.8	61.4	28.5	12.1	29.6	57.0	64.6	64.6
72.5°	50.4	51.5	48.2	23.0	11.0	23.0	43.8	50.4	50.4
75°	36.2	38.3	36.2	17.5	9.9	17.5	34.0	37.3	38.3
77.5°	20.8	26.3	26.3	14.2	7.7	13.1	24.1	25.2	25.2
80°	14.2	16.4	18.6	9.9	5.5	9.9	15.3	16.4	15.3
82.5°	9.9	11.0	11.0	6.6	4.4	6.6	9.9	11.0	9.9
85°	5.5	7.7	7.7	5.5	3.3	4.4	5.5	6.6	5.5
87.5°	3.3	4.4	5.5	4.4	3.3	3.3	3.3	3.3	2.2
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)