

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: P799488

Luminaire Tested: **LD6C25D010 EU6259030 6LBMDDWWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799488
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 6LBMDDWWH
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

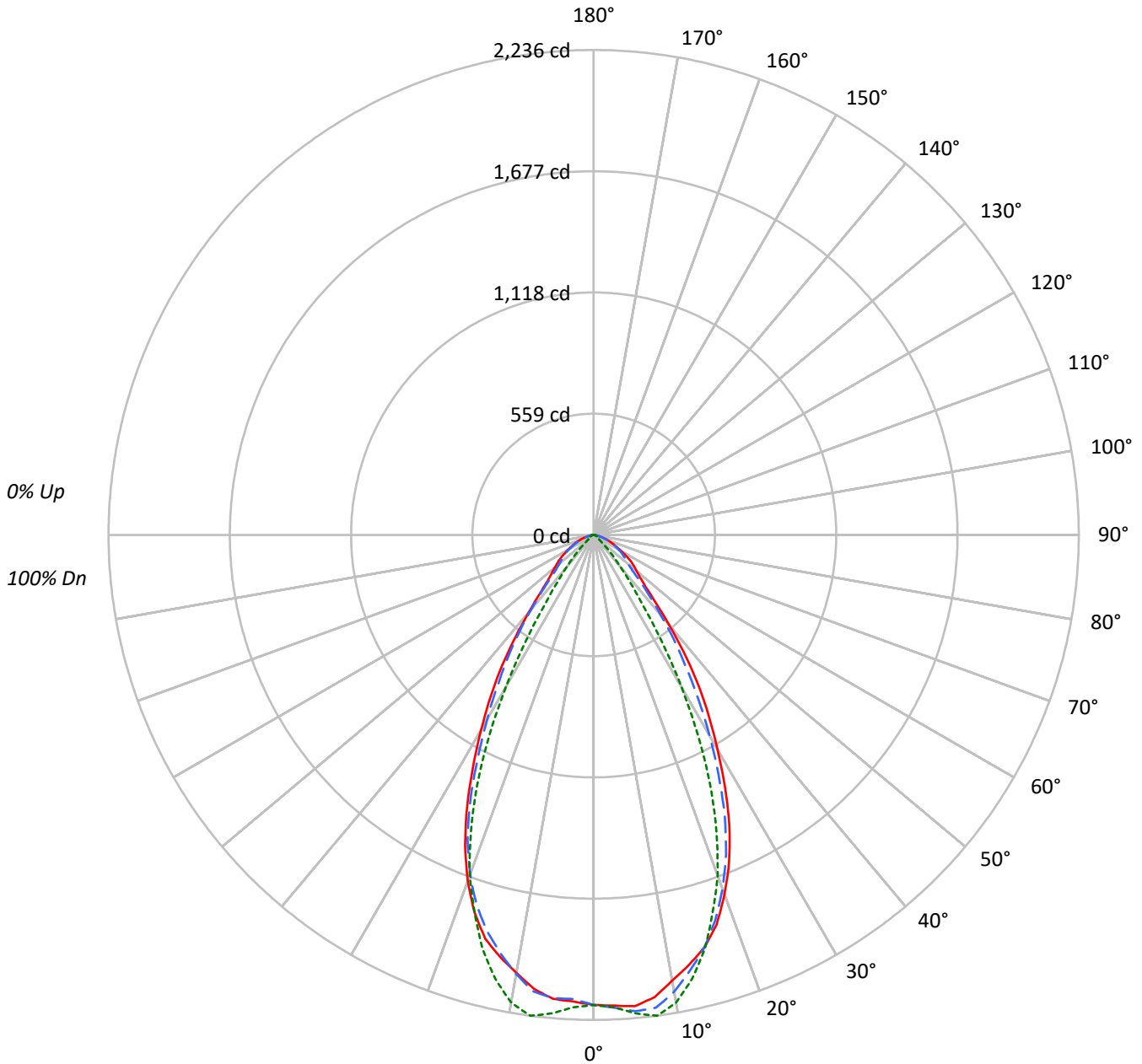
Lumens per Lamp: N/A
Luminaire Lumens: 2206.0 lumens
Efficiency: N/A
Efficacy: 70.0 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P799488

CATALOG NUMBER: LD6C25D010 EU6259030 6LBMDDWWH

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	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91					91			
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83					83			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76					76			
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70					70			
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64					64			
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59					59			
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55					55			
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51					51			
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48					48			
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45					45			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	118790	118790	118790
5°	120031	121852	118148
10°	116141	121847	114115
15°	111783	112220	109405
20°	102880	97478	99018
25°	89533	76867	83400
30°	72214	51071	65510
35°	55988	26334	49202
40°	38415	13647	33126
45°	26321	6838	23243
50°	21901	2917	19931
55°	19698	2533	17806
60°	15591	2412	14867
65°	12868	2140	12725
70°	10418	1939	10418
75°	7710	2097	8176
80°	4514	1736	4862
85°	3459	2076	3459



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.3	9.4
10°-20°	541.4	24.5
20°-30°	618.0	28.0
30°-40°	409.8	18.6
40°-50°	197.7	9.0
50°-60°	121.6	5.5
60°-70°	73.6	3.3
70°-80°	30.9	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°	1365.6	61.9
0°-40°	1775.4	80.5
0°-60°	2094.6	95.0
0°-90°	2206.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2206.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2167	2167	2167	2167	2167	
5°	2181	2204	2214	2144	2147	205
15°	1970	1970	1977	1894	1928	549
25°	1480	1431	1271	1345	1379	671
35°	837	737	394	688	735	517
45°	340	298	88	278	300	277
55°	206	168	26	168	186	181
65°	99	95	16	89	98	100
75°	36	36	10	34	39	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°	2166.9	2166.9	2166.9	2166.9	2166.9	2166.9	2166.9	2166.9	2166.9
2.5°	2172.4	2175.7	2182.3	2183.4	2180.1	2159.2	2141.5	2148.1	2153.6
5°	2181.2	2187.8	2204.3	2219.8	2214.3	2179.0	2143.7	2142.6	2147.0
7.5°	2149.2	2164.7	2198.8	2237.4	2236.3	2175.7	2123.9	2110.7	2110.7
10°	2086.4	2100.7	2138.2	2190.0	2188.9	2112.9	2055.6	2048.9	2050.0
12.5°	2030.2	2036.8	2055.6	2096.3	2096.3	2021.4	1977.3	1983.9	1992.7
15°	1969.6	1974.0	1969.6	1982.8	1977.3	1915.6	1893.5	1914.5	1927.7
17.5°	1883.6	1885.8	1862.7	1845.0	1824.1	1785.5	1791.0	1821.9	1825.2
20°	1763.5	1777.8	1735.9	1690.7	1670.9	1634.5	1665.4	1699.6	1697.3
22.5°	1631.2	1647.8	1593.7	1518.8	1478.0	1463.7	1518.8	1549.7	1548.6
25°	1480.2	1492.3	1430.6	1325.9	1270.8	1268.6	1344.7	1376.6	1378.8
27.5°	1310.5	1314.9	1245.5	1108.8	1040.5	1057.0	1152.9	1197.0	1202.5
30°	1140.8	1138.5	1066.9	897.2	806.8	852.0	980.9	1029.4	1034.9
32.5°	985.3	978.7	897.2	694.4	586.4	653.6	823.3	874.0	882.8
35°	836.6	825.5	737.4	513.6	393.5	493.8	687.8	731.8	735.2
37.5°	681.1	675.6	606.2	384.7	274.4	374.7	561.0	593.0	589.7
40°	536.8	536.8	479.4	285.5	190.7	278.9	444.2	472.8	462.9
42.5°	421.0	426.5	378.0	210.5	135.6	207.2	351.6	378.0	367.0
45°	339.5	339.5	297.6	156.5	88.2	154.3	277.7	302.0	299.8
47.5°	287.7	283.3	241.4	114.6	48.5	115.7	233.7	263.4	262.3
50°	256.8	250.2	207.2	90.4	34.2	95.9	205.0	232.6	233.7
52.5°	232.6	222.6	186.3	80.5	29.8	83.8	186.3	208.3	208.3
55°	206.1	200.6	167.5	71.6	26.5	74.9	167.5	187.4	186.3
57.5°	174.1	173.0	149.9	65.0	24.2	66.1	149.9	162.0	157.6
60°	142.2	146.6	130.1	58.4	22.0	59.5	127.9	137.8	135.6
62.5°	119.0	124.5	113.5	51.8	18.7	52.9	108.0	117.9	115.7
65°	99.2	103.6	94.8	44.1	16.5	44.1	89.3	98.1	98.1
67.5°	81.6	84.9	78.3	36.4	14.3	36.4	72.7	80.5	81.6
70°	65.0	67.2	61.7	28.7	12.1	29.8	57.3	65.0	65.0
72.5°	50.7	51.8	48.5	23.1	11.0	23.1	44.1	50.7	50.7
75°	36.4	38.6	36.4	17.6	9.9	17.6	34.2	37.5	38.6
77.5°	20.9	26.5	26.5	14.3	7.7	13.2	24.2	25.4	25.4
80°	14.3	16.5	18.7	9.9	5.5	9.9	15.4	16.5	15.4
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)