

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: P799497

Luminaire Tested: **LD6C25D010 EU6259035 6LBMDDWH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799497
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 EU6259035 6LBMDDWH
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDDW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

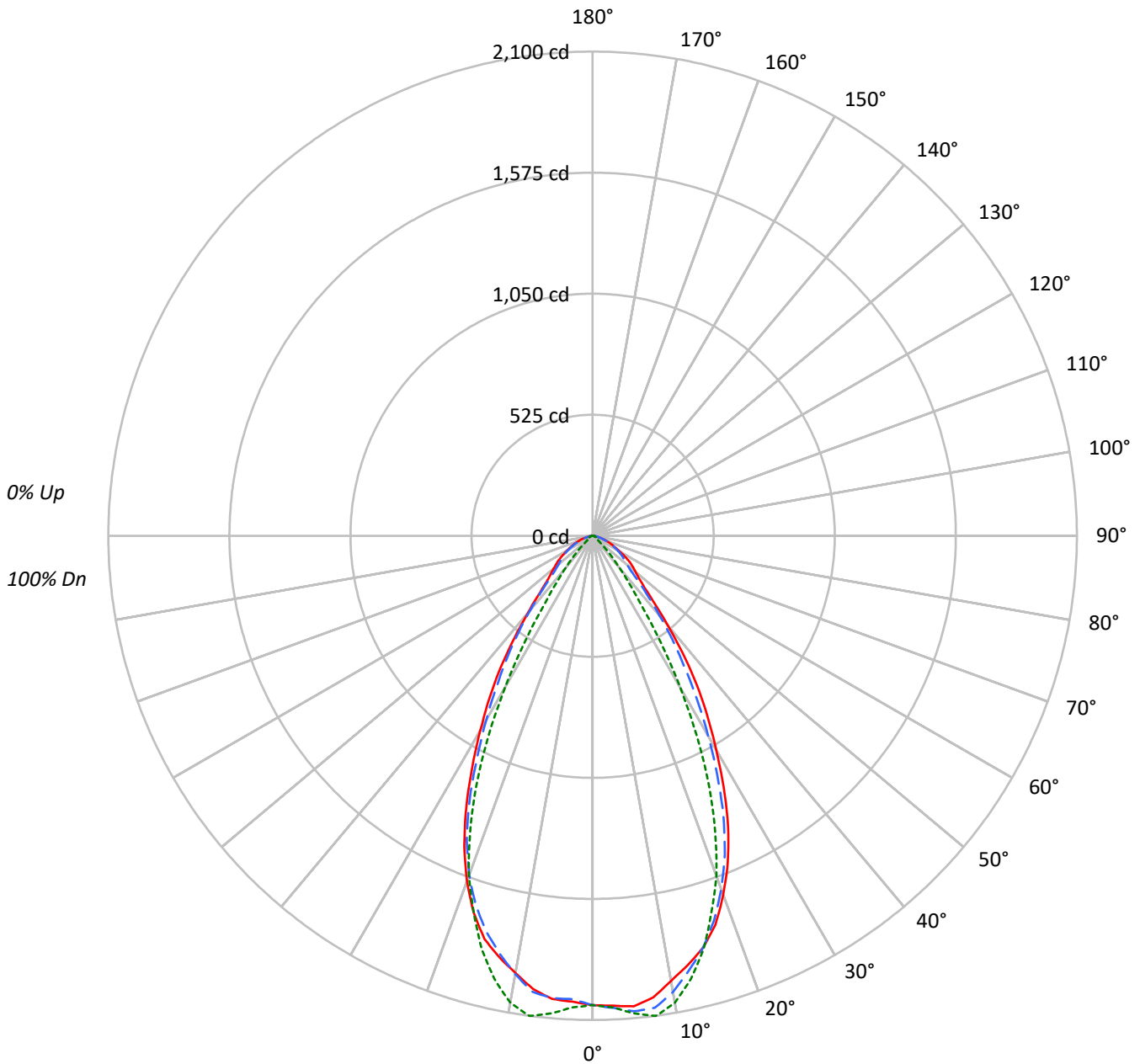
Lumens per Lamp: N/A
Luminaire Lumens: 2072.0 lumens
Efficiency: N/A
Efficacy: 65.8 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	111575	111575	111575
5°	112739	114451	110973
10°	109088	114449	107185
15°	104989	105404	102759
20°	96632	91556	93003
25°	84096	72198	78337
30°	67827	47969	61535
35°	52581	24735	46210
40°	36082	12817	31115
45°	24716	6419	21832
50°	20571	2738	18720
55°	18504	2370	16726
60°	14637	2270	13957
65°	12089	2011	11947
70°	9793	1827	9793
75°	7244	1970	7667
80°	4262	1642	4578
85°	3271	1950	3271



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.7	9.4
10°-20°	508.5	24.5
20°-30°	580.4	28.0
30°-40°	384.9	18.6
40°-50°	185.6	9.0
50°-60°	114.2	5.5
60°-70°	69.1	3.3
70°-80°	29.1	1.4
80°-90°	6.4	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°	1282.6	61.9
0°-40°	1667.6	80.5
0°-60°	1967.4	95.0
0°-90°	2072.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2072.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2035	2035	2035	2035	2035	
5°	2049	2070	2080	2014	2017	192
15°	1850	1850	1857	1778	1811	516
25°	1390	1344	1194	1263	1295	630
35°	786	693	370	646	690	486
45°	319	280	83	261	282	260
55°	194	157	25	157	175	170
65°	93	89	16	84	92	94
75°	34	34	9	32	36	37
85°	5	7	3	5	5	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°	2035.3	2035.3	2035.3	2035.3	2035.3	2035.3	2035.3	2035.3	2035.3
2.5°	2040.4	2043.5	2049.7	2050.8	2047.7	2028.0	2011.4	2017.7	2022.8
5°	2048.7	2054.9	2070.4	2084.9	2079.8	2046.6	2013.5	2012.5	2016.6
7.5°	2018.7	2033.2	2065.3	2101.5	2100.5	2043.5	1994.9	1982.5	1982.5
10°	1959.7	1973.1	2008.3	2057.0	2056.0	1984.5	1930.7	1924.5	1925.5
12.5°	1906.9	1913.1	1930.7	1969.0	1969.0	1898.6	1857.2	1863.4	1871.7
15°	1849.9	1854.1	1849.9	1862.4	1857.2	1799.2	1778.5	1798.2	1810.6
17.5°	1769.2	1771.3	1749.5	1733.0	1713.3	1677.1	1682.2	1711.2	1714.3
20°	1656.4	1669.8	1630.5	1588.0	1569.4	1535.2	1564.2	1596.3	1594.2
22.5°	1532.1	1547.7	1496.9	1426.5	1388.2	1374.8	1426.5	1455.5	1454.5
25°	1390.3	1401.7	1343.7	1245.4	1193.6	1191.5	1263.0	1293.0	1295.1
27.5°	1230.9	1235.0	1169.8	1041.4	977.3	992.8	1082.8	1124.3	1129.4
30°	1071.5	1069.4	1002.1	842.7	757.8	800.2	921.3	966.9	972.1
32.5°	925.5	919.3	842.7	652.2	550.7	613.9	773.3	820.9	829.2
35°	785.7	775.4	692.6	482.4	369.6	463.8	646.0	687.4	690.5
37.5°	639.8	634.6	569.4	361.3	257.8	352.0	526.9	557.0	553.8
40°	504.2	504.2	450.3	268.1	179.1	261.9	417.2	444.1	434.8
42.5°	395.5	400.6	355.1	197.7	127.3	194.6	330.2	355.1	344.7
45°	318.8	318.8	279.5	147.0	82.8	144.9	260.9	283.7	281.6
47.5°	270.2	266.1	226.7	107.7	45.5	108.7	219.5	247.4	246.4
50°	241.2	235.0	194.6	84.9	32.1	90.1	192.6	218.4	219.5
52.5°	218.4	209.1	175.0	75.6	28.0	78.7	175.0	195.7	195.7
55°	193.6	188.4	157.4	67.3	24.8	70.4	157.4	176.0	175.0
57.5°	163.6	162.5	140.8	61.1	22.8	62.1	140.8	152.2	148.0
60°	133.5	137.7	122.2	54.9	20.7	55.9	120.1	129.4	127.3
62.5°	111.8	117.0	106.6	48.7	17.6	49.7	101.5	110.8	108.7
65°	93.2	97.3	89.0	41.4	15.5	41.4	83.9	92.1	92.1
67.5°	76.6	79.7	73.5	34.2	13.5	34.2	68.3	75.6	76.6
70°	61.1	63.1	58.0	26.9	11.4	28.0	53.8	61.1	61.1
72.5°	47.6	48.7	45.5	21.7	10.4	21.7	41.4	47.6	47.6
75°	34.2	36.2	34.2	16.6	9.3	16.6	32.1	35.2	36.2
77.5°	19.7	24.8	24.8	13.5	7.2	12.4	22.8	23.8	23.8
80°	13.5	15.5	17.6	9.3	5.2	9.3	14.5	15.5	14.5
82.5°	9.3	10.4	10.4	6.2	4.1	6.2	9.3	10.4	9.3
85°	5.2	7.2	7.2	5.2	3.1	4.1	5.2	6.2	5.2
87.5°	3.1	4.1	5.2	4.1	3.1	3.1	3.1	3.1	2.1
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)