

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: P799510

Luminaire Tested: **LD6C25D010 EU6259040 6LBMDDWLI**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799510
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 EU6259040 6LBMDDWLI
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

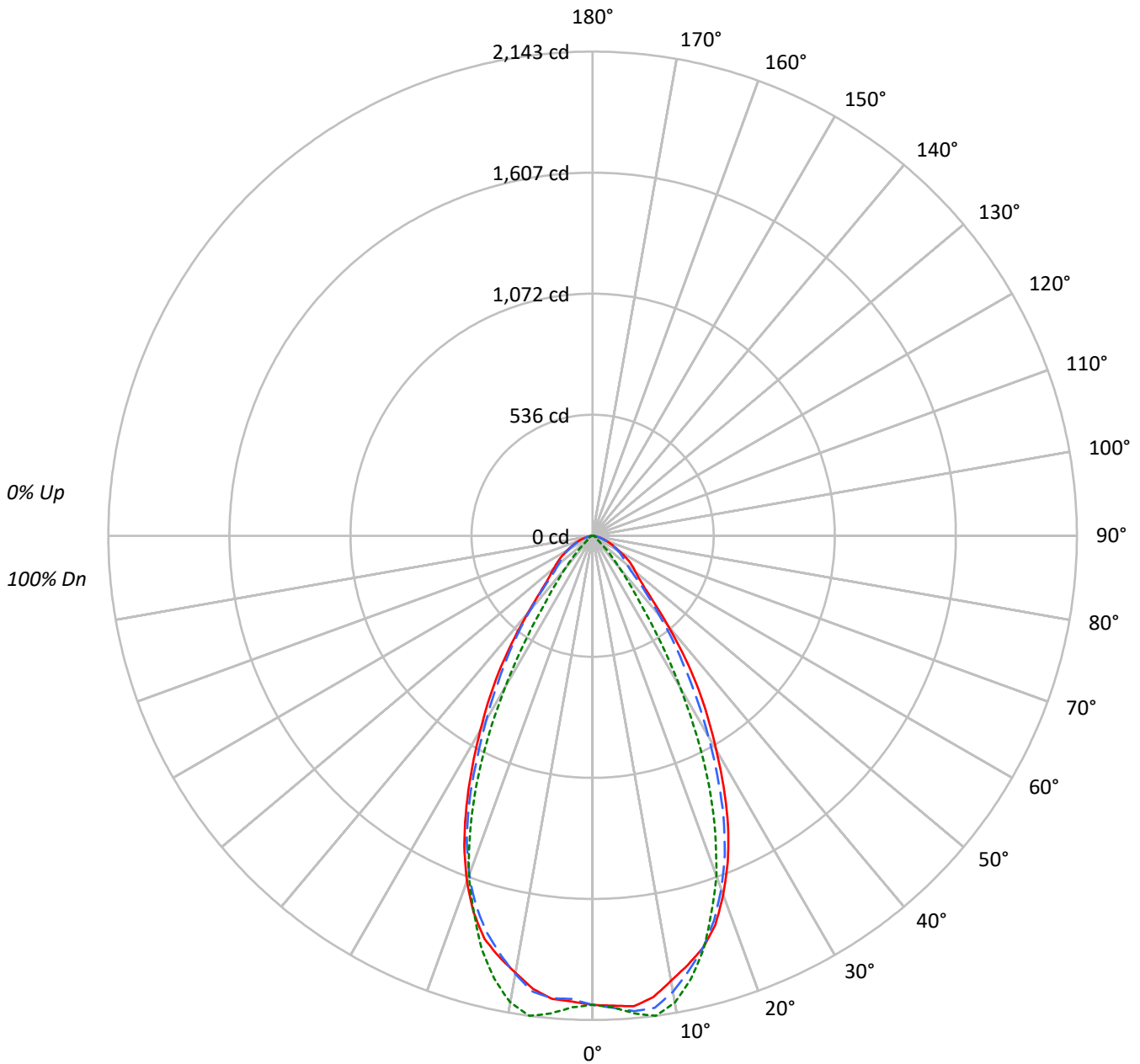
Lumens per Lamp: N/A
Luminaire Lumens: 2114.0 lumens
Efficiency: N/A
Efficacy: 67.1 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	113834	113834	113834
5°	115023	116767	113223
10°	111298	116765	109356
15°	107118	107538	104842
20°	98586	93411	94893
25°	85801	73662	79922
30°	69201	48938	62782
35°	53652	25237	47147
40°	36812	13074	31745
45°	25220	6551	22274
50°	20989	2789	19095
55°	18876	2418	17060
60°	14944	2313	14242
65°	12336	2050	12193
70°	9986	1859	9986
75°	7392	2012	7837
80°	4325	1673	4672
85°	3334	2013	3334



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.7	9.4
10°-20°	518.8	24.5
20°-30°	592.2	28.0
30°-40°	392.7	18.6
40°-50°	189.4	9.0
50°-60°	116.5	5.5
60°-70°	70.5	3.3
70°-80°	29.7	1.4
80°-90°	6.6	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°	1308.6	61.9
0°-40°	1701.4	80.5
0°-60°	2007.3	95.0
0°-90°	2114.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2114.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2076	2076	2076	2076	2076	
5°	2090	2112	2122	2054	2058	196
15°	1887	1887	1895	1815	1847	526
25°	1418	1371	1218	1289	1321	643
35°	802	707	377	659	704	496
45°	325	285	84	266	287	265
55°	198	160	25	160	178	174
65°	95	91	16	86	94	95
75°	35	35	10	33	37	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°	2076.5	2076.5	2076.5	2076.5	2076.5	2076.5	2076.5	2076.5	2076.5
2.5°	2081.8	2085.0	2091.3	2092.3	2089.2	2069.1	2052.2	2058.6	2063.8
5°	2090.2	2096.6	2112.4	2127.2	2121.9	2088.1	2054.3	2053.3	2057.5
7.5°	2059.6	2074.4	2107.1	2144.1	2143.0	2085.0	2035.3	2022.6	2022.6
10°	1999.4	2013.1	2049.0	2098.7	2097.6	2024.8	1969.8	1963.5	1964.5
12.5°	1945.5	1951.9	1969.8	2008.9	2008.9	1937.1	1894.8	1901.2	1909.6
15°	1887.4	1891.7	1887.4	1900.1	1894.8	1835.7	1814.6	1834.6	1847.3
17.5°	1805.1	1807.2	1785.0	1768.1	1748.0	1711.1	1716.3	1745.9	1749.1
20°	1689.9	1703.7	1663.5	1620.2	1601.2	1566.4	1595.9	1628.7	1626.6
22.5°	1563.2	1579.0	1527.3	1455.5	1416.4	1402.6	1455.5	1485.0	1484.0
25°	1418.5	1430.1	1371.0	1270.6	1217.8	1215.7	1288.6	1319.2	1321.3
27.5°	1255.8	1260.1	1193.5	1062.5	997.1	1012.9	1104.8	1147.0	1152.3
30°	1093.2	1091.1	1022.4	859.8	773.1	816.4	940.0	986.5	991.8
32.5°	944.3	937.9	859.8	665.4	561.9	626.3	789.0	837.6	846.0
35°	801.7	791.1	706.6	492.2	377.1	473.2	659.1	701.3	704.5
37.5°	652.7	647.5	580.9	368.6	263.0	359.1	537.6	568.2	565.1
40°	514.4	514.4	459.5	273.6	182.7	267.2	425.7	453.1	443.6
42.5°	403.5	408.8	362.3	201.7	129.9	198.6	336.9	362.3	351.7
45°	325.3	325.3	285.2	150.0	84.5	147.9	266.2	289.4	287.3
47.5°	275.7	271.4	231.3	109.8	46.5	110.9	223.9	252.4	251.4
50°	246.1	239.8	198.6	86.6	32.7	91.9	196.5	222.9	223.9
52.5°	222.9	213.4	178.5	77.1	28.5	80.3	178.5	199.6	199.6
55°	197.5	192.2	160.5	68.7	25.3	71.8	160.5	179.6	178.5
57.5°	166.9	165.8	143.6	62.3	23.2	63.4	143.6	155.3	151.0
60°	136.3	140.5	124.6	56.0	21.1	57.0	122.5	132.0	129.9
62.5°	114.1	119.4	108.8	49.6	18.0	50.7	103.5	113.0	110.9
65°	95.1	99.3	90.8	42.2	15.8	42.2	85.6	94.0	94.0
67.5°	78.2	81.3	75.0	34.9	13.7	34.9	69.7	77.1	78.2
70°	62.3	64.4	59.1	27.5	11.6	28.5	54.9	62.3	62.3
72.5°	48.6	49.6	46.5	22.2	10.6	22.2	42.2	48.6	48.6
75°	34.9	37.0	34.9	16.9	9.5	16.9	32.7	35.9	37.0
77.5°	20.1	25.3	25.3	13.7	7.4	12.7	23.2	24.3	24.3
80°	13.7	15.8	18.0	9.5	5.3	9.5	14.8	15.8	14.8
82.5°	9.5	10.6	10.6	6.3	4.2	6.3	9.5	10.6	9.5
85°	5.3	7.4	7.4	5.3	3.2	4.2	5.3	6.3	5.3
87.5°	3.2	4.2	5.3	4.2	3.2	3.2	3.2	3.2	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)