

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: P799509

Luminaire Tested: **LD6C25D010 EU6259040 6LBMDDWH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799509
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 6LBMDDWH
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

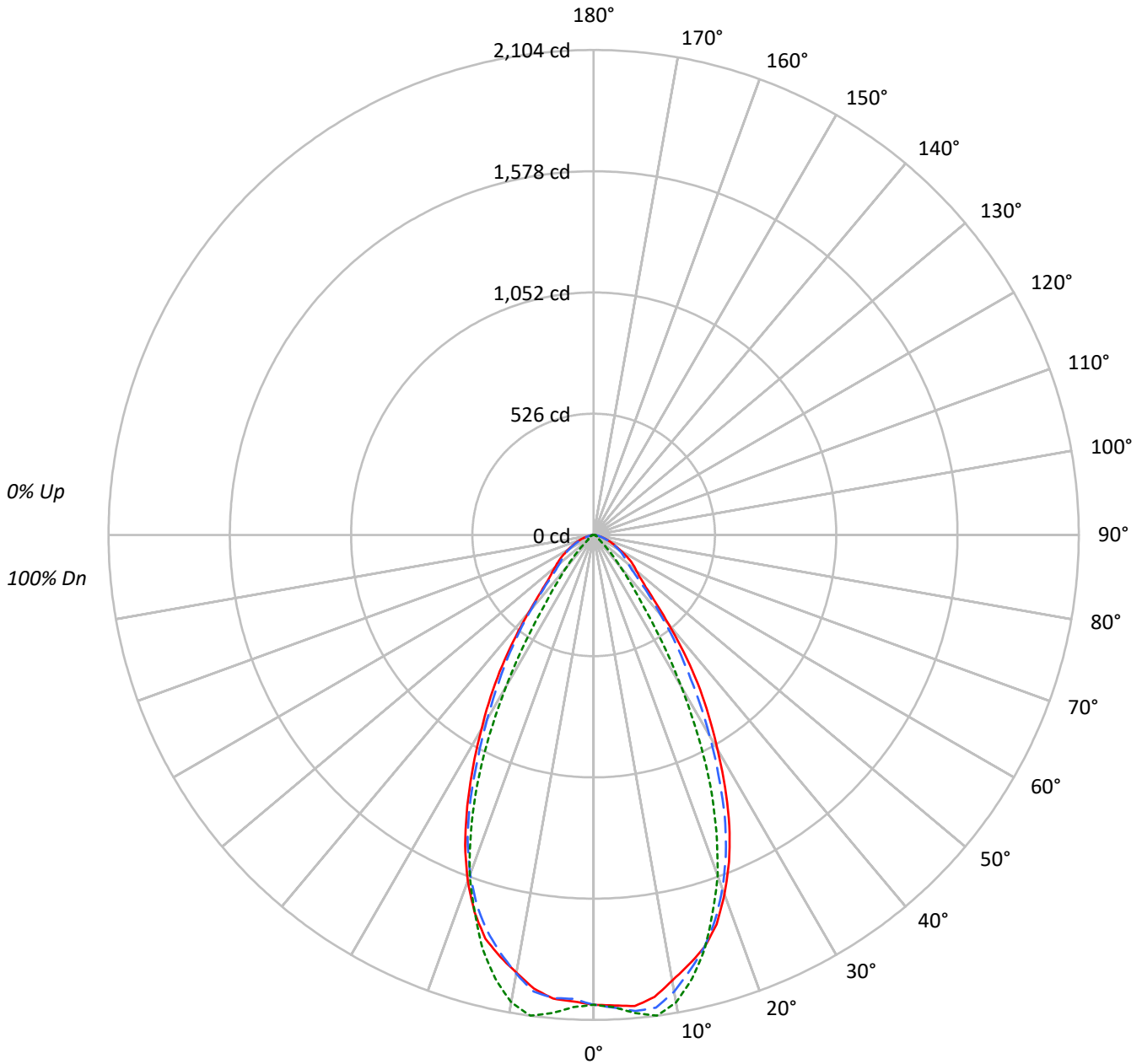
Lumens per Lamp: N/A
Luminaire Lumens: 2075.0 lumens
Efficiency: N/A
Efficacy: 65.9 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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									
RC	80									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°	111734	111734	111734
5°	112904	114616	111132
10°	109244	114610	107340
15°	105142	105557	102906
20°	96772	91690	93143
25°	84217	72301	78446
30°	67922	48039	61623
35°	52662	24768	46277
40°	36132	12838	31158
45°	24755	6427	21863
50°	20605	2738	18746
55°	18532	2380	16745
60°	14659	2270	13979
65°	12102	2024	11973
70°	9809	1827	9809
75°	7244	1970	7689
80°	4262	1642	4578
85°	3271	1950	3271



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.0	9.4
10°-20°	509.2	24.5
20°-30°	581.3	28.0
30°-40°	385.5	18.6
40°-50°	185.9	9.0
50°-60°	114.4	5.5
60°-70°	69.2	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°	1284.5	61.9
0°-40°	1670.0	80.5
0°-60°	1970.3	95.0
0°-90°	2075.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2075.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2038	2038	2038	2038	2038	
5°	2052	2073	2083	2016	2020	193
15°	1853	1853	1860	1781	1813	516
25°	1392	1346	1195	1265	1297	631
35°	787	694	370	647	692	487
45°	319	280	83	261	282	260
55°	194	158	25	158	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°	2038.2	2038.2	2038.2	2038.2	2038.2	2038.2	2038.2	2038.2	2038.2
2.5°	2043.4	2046.5	2052.7	2053.7	2050.6	2030.9	2014.4	2020.6	2025.8
5°	2051.7	2057.9	2073.4	2088.0	2082.8	2049.6	2016.4	2015.4	2019.5
7.5°	2021.6	2036.1	2068.3	2104.5	2103.5	2046.5	1997.8	1985.3	1985.3
10°	1962.5	1976.0	2011.2	2060.0	2058.9	1987.4	1933.5	1927.3	1928.3
12.5°	1909.6	1915.9	1933.5	1971.8	1971.8	1901.4	1859.9	1866.1	1874.4
15°	1852.6	1856.8	1852.6	1865.1	1859.9	1801.8	1781.1	1800.8	1813.2
17.5°	1771.8	1773.8	1752.1	1735.5	1715.8	1679.5	1684.7	1713.7	1716.8
20°	1658.8	1672.2	1632.8	1590.3	1571.7	1537.5	1566.5	1598.6	1596.6
22.5°	1534.4	1549.9	1499.1	1428.6	1390.2	1376.8	1428.6	1457.6	1456.6
25°	1392.3	1403.7	1345.7	1247.2	1195.3	1193.3	1264.8	1294.9	1296.9
27.5°	1232.7	1236.8	1171.5	1042.9	978.7	994.2	1084.4	1125.9	1131.1
30°	1073.0	1070.9	1003.5	843.9	758.9	801.4	922.7	968.3	973.5
32.5°	926.8	920.6	843.9	653.1	551.5	614.8	774.4	822.1	830.4
35°	786.9	776.5	693.6	483.1	370.1	464.5	646.9	688.4	691.5
37.5°	640.7	635.5	570.2	361.8	258.1	352.5	527.7	557.8	554.6
40°	504.9	504.9	451.0	268.5	179.4	262.3	417.8	444.8	435.4
42.5°	396.0	401.2	355.6	198.0	127.5	194.9	330.7	355.6	345.2
45°	319.3	319.3	279.9	147.2	82.9	145.1	261.3	284.1	282.0
47.5°	270.6	266.4	227.0	107.8	45.6	108.9	219.8	247.8	246.7
50°	241.6	235.3	194.9	85.0	32.1	90.2	192.8	218.7	219.8
52.5°	218.7	209.4	175.2	75.7	28.0	78.8	175.2	195.9	195.9
55°	193.9	188.7	157.6	67.4	24.9	70.5	157.6	176.2	175.2
57.5°	163.8	162.8	141.0	61.2	22.8	62.2	141.0	152.4	148.3
60°	133.7	137.9	122.3	54.9	20.7	56.0	120.3	129.6	127.5
62.5°	112.0	117.1	106.8	48.7	17.6	49.8	101.6	110.9	108.9
65°	93.3	97.5	89.2	41.5	15.6	41.5	84.0	92.3	92.3
67.5°	76.7	79.8	73.6	34.2	13.5	34.2	68.4	75.7	76.7
70°	61.2	63.2	58.1	27.0	11.4	28.0	53.9	61.2	61.2
72.5°	47.7	48.7	45.6	21.8	10.4	21.8	41.5	47.7	47.7
75°	34.2	36.3	34.2	16.6	9.3	16.6	32.1	35.2	36.3
77.5°	19.7	24.9	24.9	13.5	7.3	12.4	22.8	23.8	23.8
80°	13.5	15.6	17.6	9.3	5.2	9.3	14.5	15.6	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	7.3	7.3	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)