

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: P799628

Luminaire Tested: **LD6C35D010 EU6359040 6LBMDDWGPB**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799628
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: LD6C35D010 EU6359040 6LBMDDWGPH
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

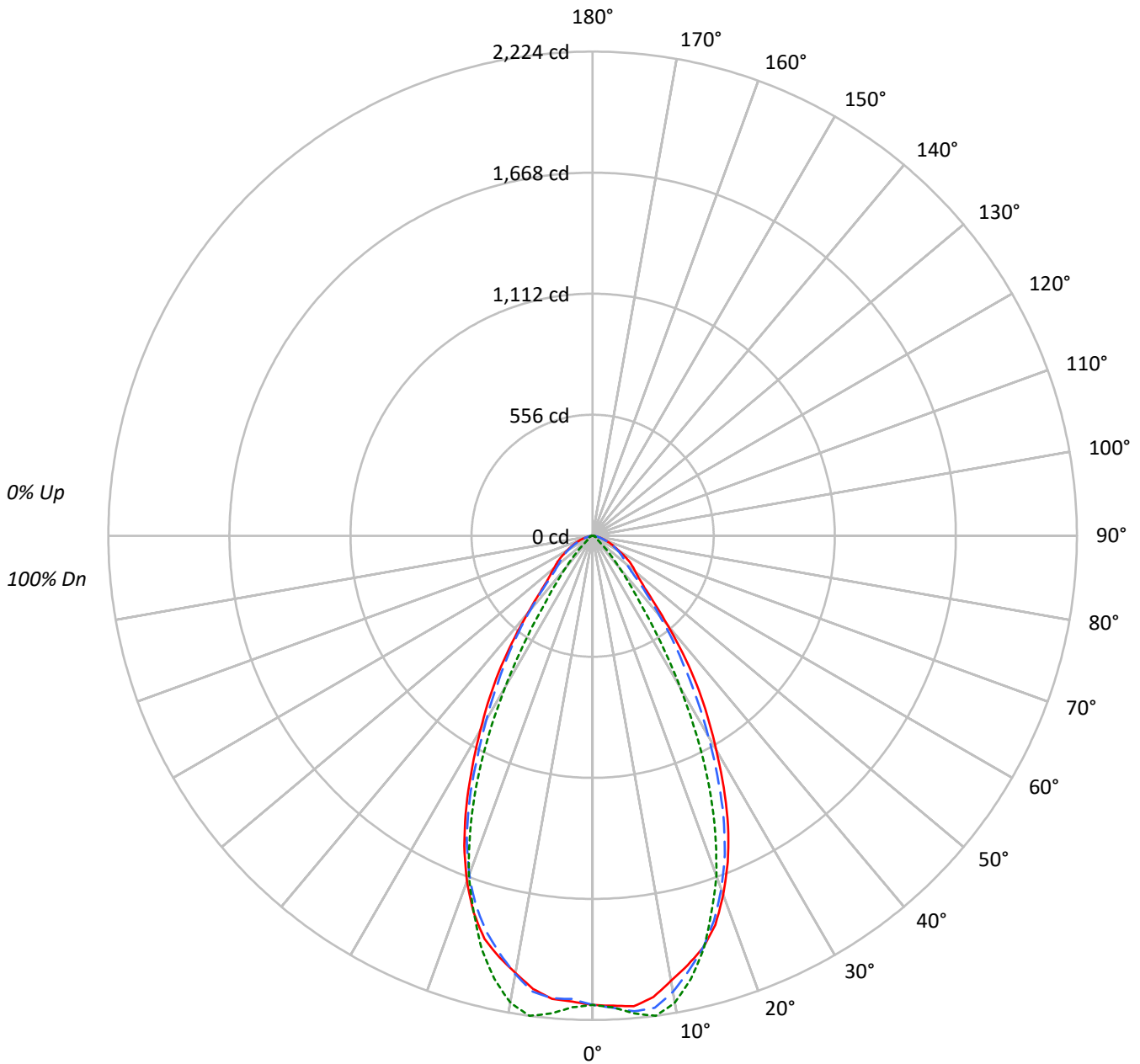
Lumens per Lamp: N/A
Luminaire Lumens: 2194.0 lumens
Efficiency: N/A
Efficacy: 54.3 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 40.4
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: P799628

CATALOG NUMBER: LD6C35D010 EU6359040 6LBMDDWGP

Luminous Intensity Polar Plot





TEST NUMBER: P799628

CATALOG NUMBER: LD6C35D010 EU6359040 6LBMDDWGPH

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°	118143	118143	118143
5°	119376	121186	117510
10°	115512	121185	113497
15°	111175	111607	108809
20°	102320	96947	98481
25°	89049	76450	82946
30°	71815	50793	65156
35°	55680	26187	48934
40°	38200	13568	32947
45°	26173	6799	23119
50°	21782	2900	19820
55°	19593	2514	17710
60°	15503	2401	14780
65°	12803	2127	12660
70°	10370	1939	10370
75°	7667	2097	8133
80°	4514	1736	4830
85°	3459	2076	3459



TEST NUMBER: P799628

CATALOG NUMBER: LD6C35D010 EU6359040 6LBMDDWGPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.1	9.4
10°-20°	538.4	24.5
20°-30°	614.6	28.0
30°-40°	407.6	18.6
40°-50°	196.6	9.0
50°-60°	120.9	5.5
60°-70°	73.2	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°	1358.2	61.9
0°-40°	1765.7	80.5
0°-60°	2083.2	95.0
0°-90°	2194.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2194.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2155	2155	2155	2155	2155	
5°	2169	2192	2202	2132	2135	204
15°	1959	1959	1966	1883	1917	546
25°	1472	1423	1264	1337	1371	668
35°	832	733	391	684	731	515
45°	338	296	88	276	298	275
55°	205	167	26	167	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	



TEST NUMBER: P799628

CATALOG NUMBER: LD6C35D010 EU6359040 6LBMDDWGPH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	2155.1	2155.1	2155.1	2155.1	2155.1	2155.1	2155.1	2155.1	2155.1
2.5°	2160.6	2163.9	2170.4	2171.5	2168.2	2147.4	2129.9	2136.5	2141.9
5°	2169.3	2175.9	2192.4	2207.7	2202.2	2167.1	2132.1	2131.0	2135.4
7.5°	2137.5	2152.9	2186.9	2225.2	2224.1	2163.9	2112.3	2099.2	2099.2
10°	2075.1	2089.3	2126.6	2178.1	2177.0	2101.4	2044.4	2037.8	2038.9
12.5°	2019.2	2025.7	2044.4	2084.9	2084.9	2010.4	1966.5	1973.1	1981.9
15°	1958.9	1963.3	1958.9	1972.0	1966.5	1905.2	1883.2	1904.1	1917.2
17.5°	1873.4	1875.6	1852.5	1835.0	1814.2	1775.8	1781.3	1812.0	1815.3
20°	1753.9	1768.1	1726.5	1681.5	1661.8	1625.6	1656.3	1690.3	1688.1
22.5°	1622.3	1638.8	1585.1	1510.5	1470.0	1455.7	1510.5	1541.2	1540.1
25°	1472.2	1484.2	1422.8	1318.7	1263.9	1261.7	1337.3	1369.1	1371.3
27.5°	1303.4	1307.7	1238.7	1102.8	1034.8	1051.2	1146.6	1190.4	1195.9
30°	1134.5	1132.4	1061.1	892.3	802.4	847.3	975.6	1023.8	1029.3
32.5°	980.0	973.4	892.3	690.6	583.2	650.0	818.8	869.3	878.0
35°	832.0	821.0	733.3	510.8	391.3	491.1	684.0	727.9	731.2
37.5°	677.4	672.0	602.9	382.6	272.9	372.7	558.0	589.7	586.5
40°	533.8	533.8	476.8	283.9	189.6	277.3	441.8	470.3	460.4
42.5°	418.7	424.2	376.0	209.4	134.8	206.1	349.7	376.0	365.0
45°	337.6	337.6	296.0	155.7	87.7	153.5	276.2	300.4	298.2
47.5°	286.1	281.7	240.1	114.0	48.2	115.1	232.4	262.0	260.9
50°	255.4	248.8	206.1	89.9	34.0	95.4	203.9	231.3	232.4
52.5°	231.3	221.4	185.3	80.0	29.6	83.3	185.3	207.2	207.2
55°	205.0	199.5	166.6	71.3	26.3	74.5	166.6	186.4	185.3
57.5°	173.2	172.1	149.1	64.7	24.1	65.8	149.1	161.1	156.8
60°	141.4	145.8	129.3	58.1	21.9	59.2	127.2	137.0	134.8
62.5°	118.4	123.9	112.9	51.5	18.6	52.6	107.4	117.3	115.1
65°	98.7	103.0	94.3	43.8	16.4	43.8	88.8	97.6	97.6
67.5°	81.1	84.4	77.8	36.2	14.3	36.2	72.3	80.0	81.1
70°	64.7	66.9	61.4	28.5	12.1	29.6	57.0	64.7	64.7
72.5°	50.4	51.5	48.2	23.0	11.0	23.0	43.8	50.4	50.4
75°	36.2	38.4	36.2	17.5	9.9	17.5	34.0	37.3	38.4
77.5°	20.8	26.3	26.3	14.3	7.7	13.2	24.1	25.2	25.2
80°	14.3	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)