

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: P799598

Luminaire Tested: **LD6C35D010 EU6359027 6LBMDSWGPH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799598
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-5)
Test Lab: INNOVATION CENTER
Issue Date: 4/12/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C35D010 EU6359027 6LBMDSWGPH
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDSW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

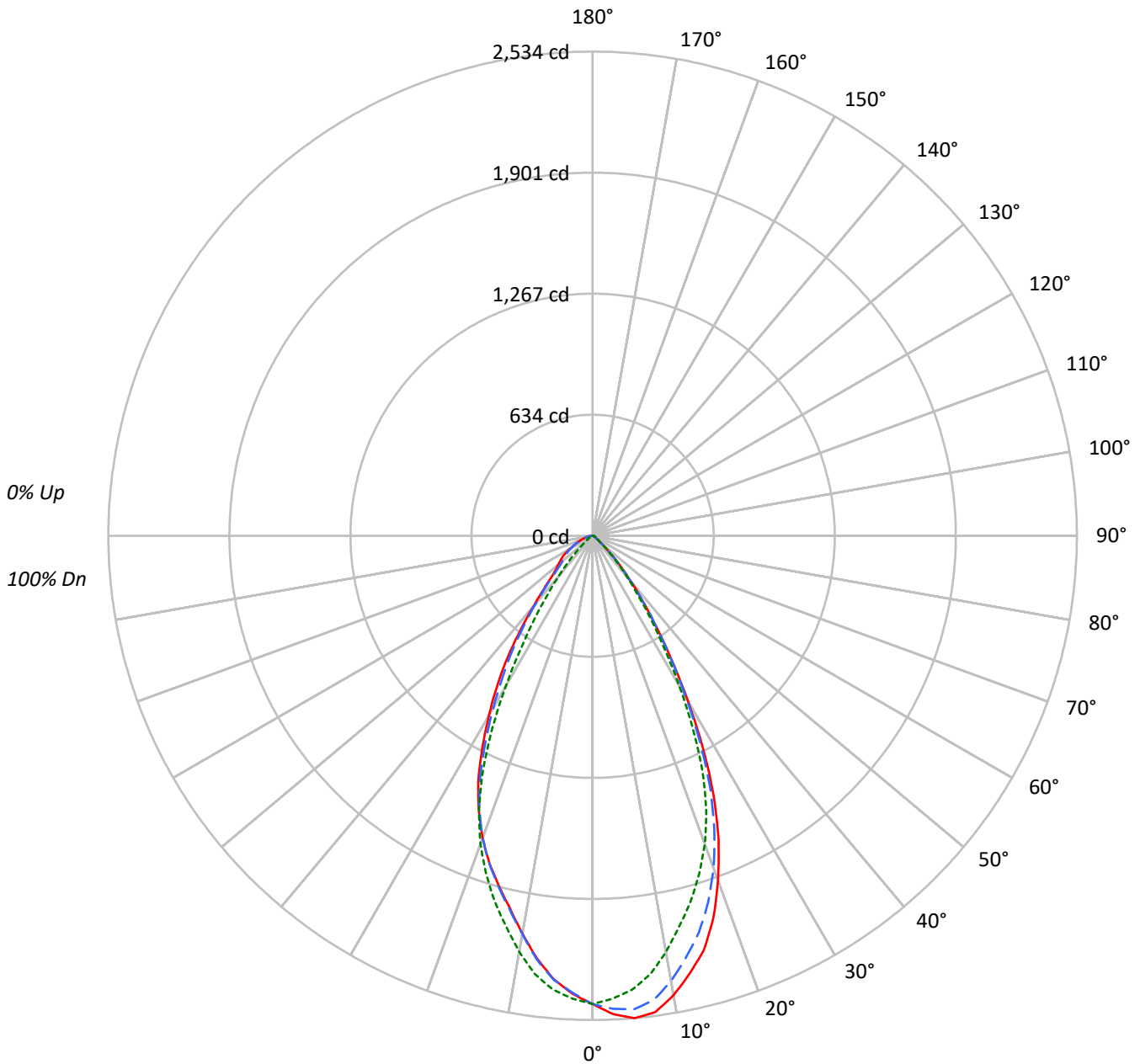
Lumens per Lamp: N/A
Luminaire Lumens: 2110.0 lumens
Efficiency: N/A
Efficacy: 52.2 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P799598

CATALOG NUMBER: LD6C35D010 EU6359027 6LBMDSWGPB

Luminous Intensity Polar Plot





TEST NUMBER: P799598

CATALOG NUMBER: LD6C35D010 EU6359027 6LBMDSWGPH

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	100	100	100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92	92	92	92
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85	85	85	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78	78	78	78
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73	73	73	73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67	67	67	67
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63	63	63	63
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59	59	59	59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55	55	55	55
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52	52	52	52
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49	49	49	49

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	134348	134348	134348
5°	139461	131196	128230
10°	135891	123061	117650
15°	127447	112447	107589
20°	111887	100103	98195
25°	90489	82239	85632
30°	62908	57287	68530
35°	38775	35094	51725
40°	21941	19673	34350
45°	10652	10164	23444
50°	4060	4060	19931
55°	2227	2628	18389
60°	1623	2083	15065
65°	1375	1777	12349
70°	1186	1523	10162
75°	1123	1567	8727
80°	663	1326	6346
85°	692	2642	5975



TEST NUMBER: P799598

CATALOG NUMBER: LD6C35D010 EU6359027 6LBMDSWGPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.4	10.6
10°-20°	563.9	26.7
20°-30°	634.8	30.1
30°-40°	393.1	18.6
40°-50°	156.5	7.4
50°-60°	71.3	3.4
60°-70°	41.0	1.9
70°-80°	19.4	0.9
80°-90°	5.7	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°	1423.0	67.4
0°-40°	1816.1	86.1
0°-60°	2043.9	96.9
0°-90°	2110.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2110.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2451	2451	2451	2451	2451	
5°	2534	2488	2384	2332	2330	239
15°	2246	2148	1981	1901	1896	621
25°	1496	1456	1360	1394	1416	672
35°	579	576	524	731	773	372
45°	137	137	131	286	302	116
55°	23	22	28	169	192	23
65°	11	10	14	94	95	10
75°	5	5	7	40	41	5
85°	1	1	4	10	10	1
90°	0	0	0	0	0	



TEST NUMBER: P799598

CATALOG NUMBER: LD6C35D010 EU6359027 6LBMDSWGPB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	2450.7	2450.7	2450.7	2450.7	2450.7	2450.7	2450.7	2450.7	2450.7
2.5°	2506.8	2483.5	2478.2	2458.1	2424.3	2405.3	2393.6	2385.2	2400.0
5°	2534.3	2508.9	2487.7	2446.5	2384.1	2349.2	2332.3	2318.6	2330.2
7.5°	2514.2	2478.2	2449.7	2392.6	2313.3	2259.4	2236.1	2220.3	2230.8
10°	2441.2	2397.9	2365.1	2297.4	2210.7	2146.2	2117.7	2102.9	2113.5
12.5°	2346.1	2310.1	2260.4	2186.4	2093.4	2025.7	2004.6	1992.9	1997.2
15°	2245.6	2203.3	2148.4	2074.4	1981.3	1913.6	1901.0	1893.6	1895.7
17.5°	2099.7	2058.5	2010.9	1939.0	1853.4	1798.4	1798.4	1793.1	1796.3
20°	1917.9	1895.7	1849.2	1788.9	1715.9	1666.2	1682.1	1676.8	1683.2
22.5°	1721.2	1704.3	1664.1	1614.4	1553.1	1514.0	1548.9	1547.8	1556.3
25°	1496.0	1483.3	1455.9	1413.6	1359.6	1335.3	1393.5	1393.5	1415.7
27.5°	1247.6	1234.9	1215.9	1179.9	1135.5	1128.1	1213.7	1224.3	1248.6
30°	993.8	985.4	974.8	942.0	905.0	918.8	1037.2	1055.1	1082.6
32.5°	767.6	762.3	759.1	729.5	696.7	742.2	877.5	900.8	928.3
35°	579.4	567.8	576.2	554.0	524.4	581.5	730.6	750.7	772.9
37.5°	427.1	418.7	426.1	410.2	383.8	446.2	586.8	599.5	614.3
40°	306.6	299.2	305.5	296.0	274.9	333.0	459.9	473.7	480.0
42.5°	217.8	205.1	211.5	204.1	193.5	250.6	361.6	374.3	376.4
45°	137.4	133.2	137.4	133.2	131.1	186.1	285.5	297.1	302.4
47.5°	83.5	78.2	78.2	76.1	78.2	137.4	235.8	252.7	261.1
50°	47.6	45.5	44.4	43.3	47.6	107.8	204.1	223.1	233.7
52.5°	31.7	30.7	30.7	29.6	34.9	90.9	184.0	200.9	211.5
55°	23.3	22.2	22.2	22.2	27.5	78.2	169.2	182.9	192.4
57.5°	18.0	18.0	18.0	16.9	23.3	66.6	151.2	158.6	166.0
60°	14.8	13.7	13.7	13.7	19.0	57.1	130.0	133.2	137.4
62.5°	11.6	11.6	11.6	11.6	15.9	50.7	112.1	112.1	114.2
65°	10.6	9.5	9.5	9.5	13.7	44.4	94.1	93.0	95.2
67.5°	8.5	8.5	8.5	8.5	11.6	38.1	77.2	76.1	78.2
70°	7.4	7.4	7.4	7.4	9.5	31.7	62.4	61.3	63.4
72.5°	6.3	6.3	6.3	6.3	8.5	26.4	49.7	49.7	50.7
75°	5.3	5.3	5.3	5.3	7.4	20.1	40.2	40.2	41.2
77.5°	4.2	4.2	4.2	4.2	5.3	15.9	30.7	29.6	29.6
80°	2.1	3.2	3.2	3.2	4.2	11.6	22.2	20.1	20.1
82.5°	1.1	2.1	2.1	2.1	4.2	8.5	14.8	13.7	13.7
85°	1.1	1.1	1.1	3.2	4.2	6.3	9.5	9.5	9.5
87.5°	0.0	1.1	2.1	4.2	5.3	5.3	6.3	5.3	5.3
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)