

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: P799550

Luminaire Tested: **LD6C30D010 EU6309030 6LBMDSWGPH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799550
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: LD6C30D010 EU6309030 6LBMDSWGPH
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

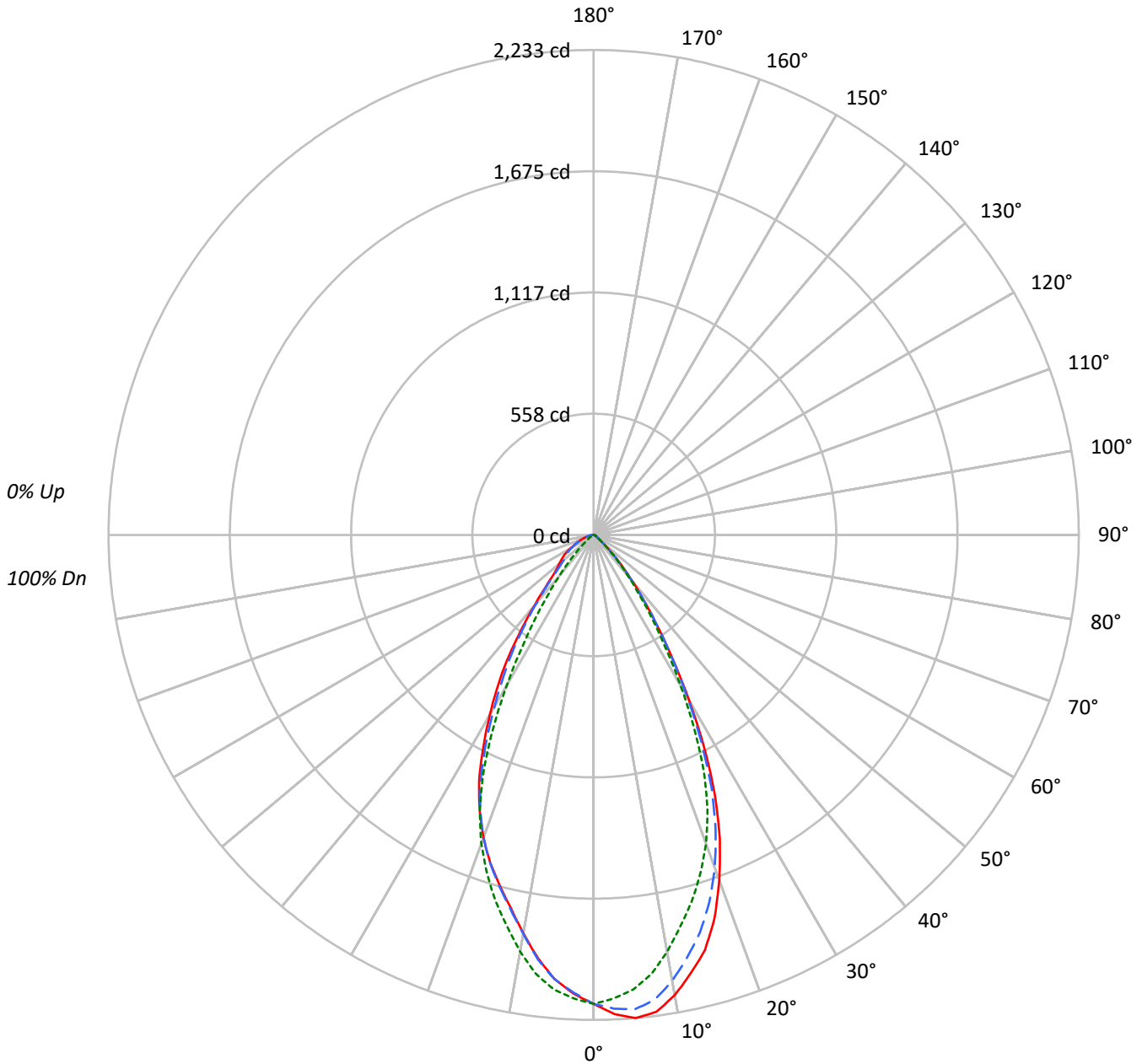
Lumens per Lamp: N/A
Luminaire Lumens: 1859.0 lumens
Efficiency: N/A
Efficacy: 58.8 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 31.6
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	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°	118368	118368	118368
5°	122870	115590	112976
10°	119726	108426	103655
15°	112288	99070	94791
20°	98574	88196	86510
25°	79728	72458	75446
30°	55426	50476	60383
35°	34164	30918	45568
40°	19329	17332	30264
45°	9389	8954	20653
50°	3573	3573	17560
55°	1959	2313	16200
60°	1425	1842	13277
65°	1206	1570	10870
70°	1042	1346	8960
75°	996	1377	7689
80°	600	1168	5588
85°	566	2327	5284



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.7	10.6
10°-20°	496.8	26.7
20°-30°	559.3	30.1
30°-40°	346.3	18.6
40°-50°	137.9	7.4
50°-60°	62.8	3.4
60°-70°	36.1	1.9
70°-80°	17.1	0.9
80°-90°	5.0	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°	1253.8	67.4
0°-40°	1600.1	86.1
0°-60°	1800.8	96.9
0°-90°	1859.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1859.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2159	2159	2159	2159	2159	
5°	2233	2192	2100	2055	2053	210
15°	1978	1893	1746	1675	1670	547
25°	1318	1283	1198	1228	1247	592
35°	510	508	462	644	681	328
45°	121	121	116	252	266	103
55°	20	20	24	149	170	20
65°	9	8	12	83	84	9
75°	5	5	6	35	36	5
85°	1	1	4	8	8	1
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°	2159.2	2159.2	2159.2	2159.2	2159.2	2159.2	2159.2	2159.2	2159.2
2.5°	2208.6	2188.1	2183.4	2165.7	2135.9	2119.2	2108.9	2101.5	2114.5
5°	2232.8	2210.4	2191.8	2155.5	2100.5	2069.8	2054.9	2042.8	2053.0
7.5°	2215.1	2183.4	2158.3	2108.0	2038.1	1990.6	1970.1	1956.1	1965.5
10°	2150.8	2112.6	2083.8	2024.1	1947.8	1890.9	1865.8	1852.7	1862.1
12.5°	2067.0	2035.3	1991.5	1926.3	1844.4	1784.7	1766.1	1755.9	1759.6
15°	1978.5	1941.2	1892.8	1827.6	1745.6	1686.0	1674.8	1668.3	1670.2
17.5°	1849.9	1813.6	1771.7	1708.4	1632.9	1584.5	1584.5	1579.8	1582.6
20°	1689.7	1670.2	1629.2	1576.1	1511.8	1468.0	1482.0	1477.4	1482.9
22.5°	1516.5	1501.6	1466.2	1422.4	1368.4	1333.9	1364.6	1363.7	1371.2
25°	1318.1	1306.9	1282.7	1245.4	1197.9	1176.5	1227.7	1227.7	1247.3
27.5°	1099.2	1088.0	1071.2	1039.5	1000.4	993.9	1069.4	1078.7	1100.1
30°	875.6	868.2	858.8	830.0	797.4	809.5	913.8	929.6	953.9
32.5°	676.3	671.6	668.8	642.7	613.9	653.9	773.1	793.6	817.9
35°	510.5	500.2	507.7	488.1	462.0	512.3	643.7	661.4	680.9
37.5°	376.3	368.9	375.4	361.4	338.1	393.1	517.0	528.2	541.2
40°	270.1	263.6	269.2	260.8	242.2	293.4	405.2	417.3	422.9
42.5°	191.9	180.7	186.3	179.8	170.5	220.8	318.6	329.7	331.6
45°	121.1	117.4	121.1	117.4	115.5	163.9	251.5	261.8	266.4
47.5°	73.6	68.9	68.9	67.1	68.9	121.1	207.7	222.6	230.1
50°	41.9	40.1	39.1	38.2	41.9	95.0	179.8	196.5	205.9
52.5°	27.9	27.0	27.0	26.1	30.7	80.1	162.1	177.0	186.3
55°	20.5	19.6	19.6	19.6	24.2	68.9	149.0	161.1	169.5
57.5°	15.8	15.8	15.8	14.9	20.5	58.7	133.2	139.7	146.2
60°	13.0	12.1	12.1	12.1	16.8	50.3	114.6	117.4	121.1
62.5°	10.2	10.2	10.2	10.2	14.0	44.7	98.7	98.7	100.6
65°	9.3	8.4	8.4	8.4	12.1	39.1	82.9	82.0	83.8
67.5°	7.5	7.5	7.5	7.5	10.2	33.5	68.0	67.1	68.9
70°	6.5	6.5	6.5	6.5	8.4	27.9	55.0	54.0	55.9
72.5°	5.6	5.6	5.6	5.6	7.5	23.3	43.8	43.8	44.7
75°	4.7	4.7	4.7	4.7	6.5	17.7	35.4	35.4	36.3
77.5°	3.7	3.7	3.7	3.7	4.7	14.0	27.0	26.1	26.1
80°	1.9	2.8	2.8	2.8	3.7	10.2	19.6	17.7	17.7
82.5°	0.9	1.9	1.9	1.9	3.7	7.5	13.0	12.1	12.1
85°	0.9	0.9	0.9	2.8	3.7	5.6	8.4	8.4	8.4
87.5°	0.0	0.9	1.9	3.7	4.7	4.7	5.6	4.7	4.7
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)