

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: P799545

Luminaire Tested: **LD6C30D010 EU6309030 6LBMDDWH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799545
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: LD6C30D010 EU6309030 6LBMDDWH
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

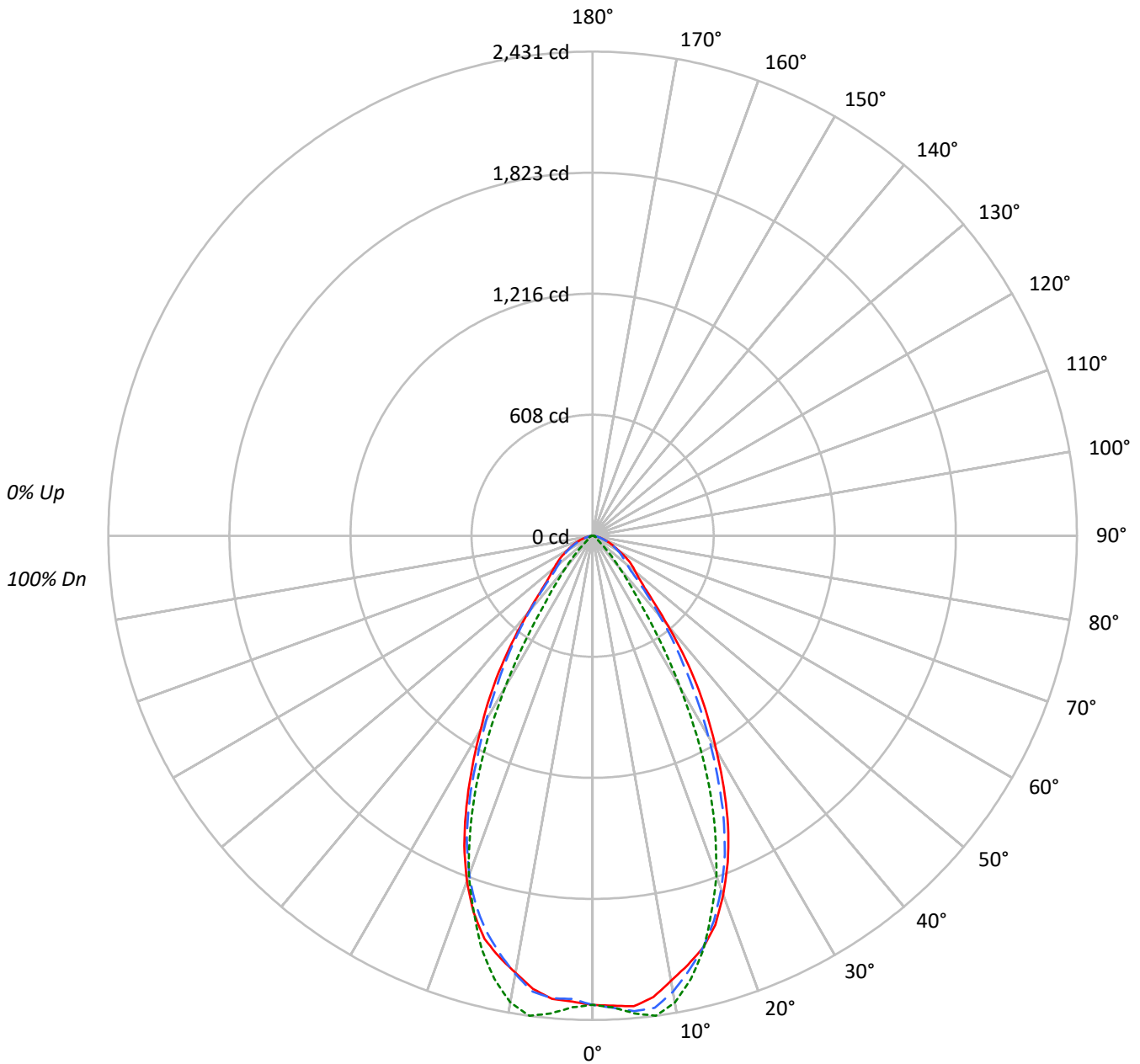
Lumens per Lamp: N/A
Luminaire Lumens: 2398.0 lumens
Efficiency: N/A
Efficacy: 75.9 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 31.6
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				
1	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91				91				
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83				83				
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76				76				
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70				70				
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64				64				
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59				59				
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55				55				
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51				51				
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48				48				
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45				45				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	129129	129129	129129
5°	130475	132456	128434
10°	126250	132451	124051
15°	121510	121987	118928
20°	111835	105960	107640
25°	97330	83557	90658
30°	78493	55515	71213
35°	60860	28623	53478
40°	41757	14835	36010
45°	28608	7427	25266
50°	23812	3164	21662
55°	21409	2753	19354
60°	16950	2631	16161
65°	13983	2335	13828
70°	11332	2116	11332
75°	8366	2288	8875
80°	4925	1894	5304
85°	3774	2264	3774



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.2	9.4
10°-20°	588.5	24.5
20°-30°	671.7	28.0
30°-40°	445.5	18.6
40°-50°	214.9	9.0
50°-60°	132.2	5.5
60°-70°	80.0	3.3
70°-80°	33.7	1.4
80°-90°	7.4	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°	1484.4	61.9
0°-40°	1929.9	80.5
0°-60°	2276.9	95.0
0°-90°	2398.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2398.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2356	2356	2356	2356	2356	
5°	2371	2396	2407	2330	2334	223
15°	2141	2141	2149	2058	2096	597
25°	1609	1555	1381	1462	1499	730
35°	909	802	428	748	799	562
45°	369	324	96	302	326	301
55°	224	182	29	182	202	197
65°	108	103	18	97	107	108
75°	40	40	11	37	42	42
85°	6	8	4	6	6	8
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°	2355.5	2355.5	2355.5	2355.5	2355.5	2355.5	2355.5	2355.5	2355.5
2.5°	2361.5	2365.1	2372.2	2373.4	2369.8	2347.1	2327.9	2335.1	2341.1
5°	2371.0	2378.2	2396.2	2413.0	2407.0	2368.6	2330.3	2329.1	2333.9
7.5°	2336.3	2353.1	2390.2	2432.1	2430.9	2365.1	2308.7	2294.4	2294.4
10°	2268.0	2283.6	2324.3	2380.6	2379.4	2296.8	2234.5	2227.3	2228.5
12.5°	2206.9	2214.1	2234.5	2278.8	2278.8	2197.3	2149.4	2156.6	2166.2
15°	2141.0	2145.8	2141.0	2155.4	2149.4	2082.3	2058.3	2081.1	2095.5
17.5°	2047.6	2050.0	2024.8	2005.6	1982.9	1940.9	1946.9	1980.5	1984.1
20°	1917.0	1932.5	1887.0	1837.9	1816.3	1776.8	1810.3	1847.5	1845.1
22.5°	1773.2	1791.2	1732.5	1651.0	1606.7	1591.1	1651.0	1684.5	1683.3
25°	1609.1	1622.2	1555.1	1441.3	1381.4	1379.0	1461.7	1496.4	1498.8
27.5°	1424.5	1429.3	1353.9	1205.3	1131.0	1149.0	1253.2	1301.1	1307.1
30°	1240.0	1237.6	1159.8	975.3	877.0	926.1	1066.3	1119.0	1125.0
32.5°	1071.1	1063.9	975.3	754.8	637.4	710.5	895.0	950.1	959.7
35°	909.4	897.4	801.5	558.3	427.7	536.7	747.6	795.5	799.1
37.5°	740.4	734.4	659.0	418.1	298.3	407.4	609.8	644.6	641.0
40°	583.5	583.5	521.2	310.3	207.3	303.1	482.8	514.0	503.2
42.5°	457.7	463.7	410.9	228.8	147.4	225.2	382.2	410.9	399.0
45°	369.0	369.0	323.5	170.1	95.8	167.7	301.9	328.3	325.9
47.5°	312.7	307.9	262.4	124.6	52.7	125.8	254.0	286.3	285.1
50°	279.2	272.0	225.2	98.2	37.1	104.2	222.8	252.8	254.0
52.5°	252.8	242.0	202.5	87.5	32.3	91.1	202.5	226.4	226.4
55°	224.0	218.1	182.1	77.9	28.8	81.5	182.1	203.7	202.5
57.5°	189.3	188.1	162.9	70.7	26.4	71.9	162.9	176.1	171.3
60°	154.6	159.3	141.4	63.5	24.0	64.7	139.0	149.8	147.4
62.5°	129.4	135.4	123.4	56.3	20.4	57.5	117.4	128.2	125.8
65°	107.8	112.6	103.0	47.9	18.0	47.9	97.0	106.6	106.6
67.5°	88.7	92.3	85.1	39.5	15.6	39.5	79.1	87.5	88.7
70°	70.7	73.1	67.1	31.2	13.2	32.3	62.3	70.7	70.7
72.5°	55.1	56.3	52.7	25.2	12.0	25.2	47.9	55.1	55.1
75°	39.5	41.9	39.5	19.2	10.8	19.2	37.1	40.7	41.9
77.5°	22.8	28.8	28.8	15.6	8.4	14.4	26.4	27.6	27.6
80°	15.6	18.0	20.4	10.8	6.0	10.8	16.8	18.0	16.8
82.5°	10.8	12.0	12.0	7.2	4.8	7.2	10.8	12.0	10.8
85°	6.0	8.4	8.4	6.0	3.6	4.8	6.0	7.2	6.0
87.5°	3.6	4.8	6.0	4.8	3.6	3.6	3.6	3.6	2.4
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)