

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: P799546

Luminaire Tested: **LD6C30D010 EU6309030 6LBMDDWLI**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799546
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 6LBMDDWLI
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

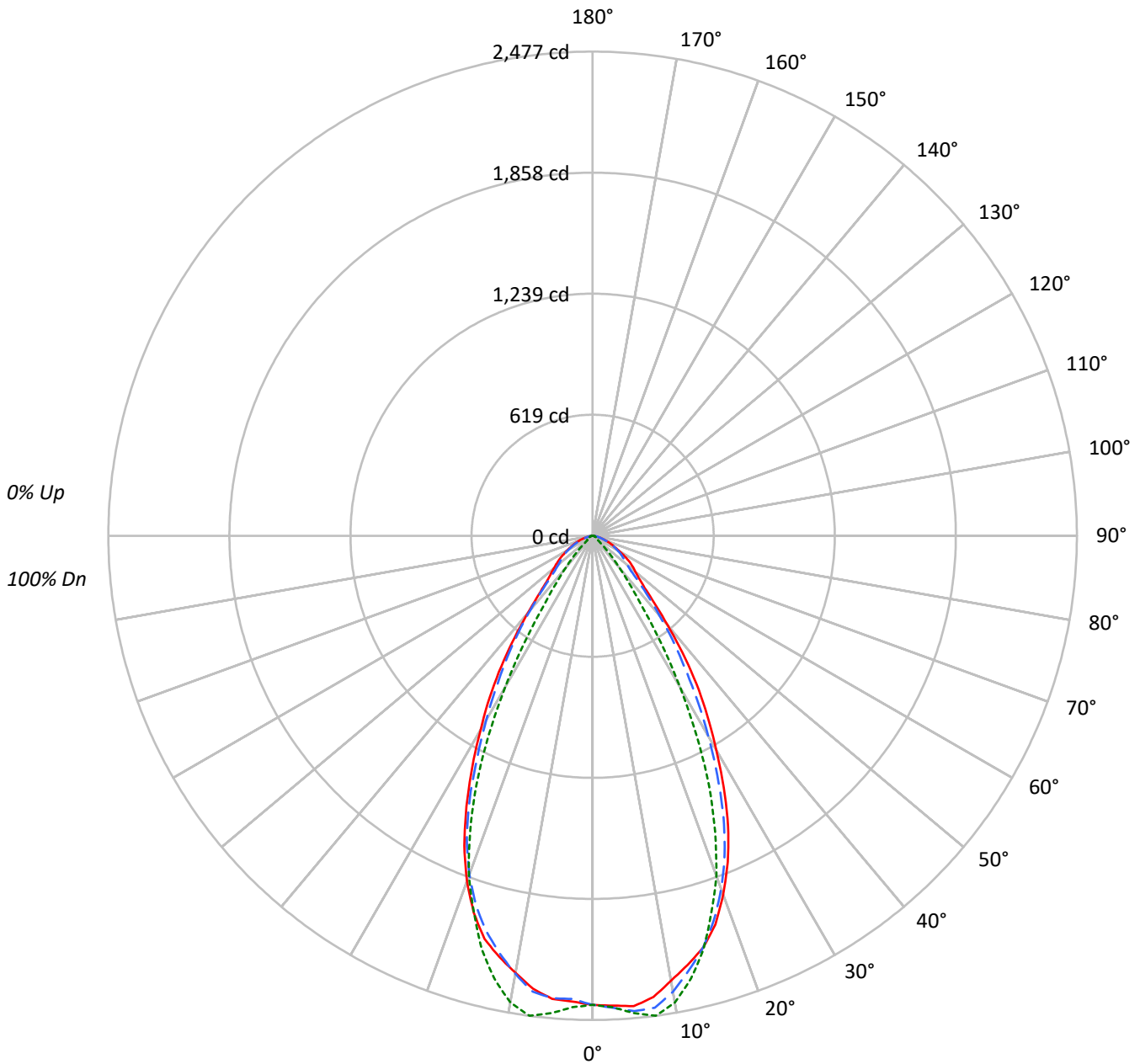
Lumens per Lamp: N/A
Luminaire Lumens: 2443.0 lumens
Efficiency: N/A
Efficacy: 77.3 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	131552	131552	131552
5°	132924	134944	130844
10°	128622	134940	126378
15°	123792	124274	121158
20°	113929	107949	109659
25°	99151	85124	92364
30°	79968	56559	72549
35°	61998	29158	54482
40°	42537	15114	36683
45°	29143	7567	25739
50°	24255	3224	22072
55°	21810	2800	19717
60°	17268	2675	16457
65°	14256	2374	14087
70°	11540	2148	11540
75°	8536	2330	9044
80°	5020	1926	5398
85°	3837	2327	3837



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.4	9.4
10°-20°	599.5	24.5
20°-30°	684.3	28.0
30°-40°	453.8	18.6
40°-50°	218.9	9.0
50°-60°	134.6	5.5
60°-70°	81.5	3.3
70°-80°	34.3	1.4
80°-90°	7.6	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°	1512.3	61.9
0°-40°	1966.1	80.5
0°-60°	2319.7	95.0
0°-90°	2443.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2443.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2400	2400	2400	2400	2400	
5°	2416	2441	2452	2374	2378	227
15°	2181	2181	2190	2097	2135	608
25°	1639	1584	1407	1489	1527	743
35°	926	817	436	762	814	573
45°	376	330	98	308	332	307
55°	228	186	29	186	206	201
65°	110	105	18	99	109	110
75°	40	40	11	38	43	43
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°	2399.7	2399.7	2399.7	2399.7	2399.7	2399.7	2399.7	2399.7	2399.7
2.5°	2405.8	2409.4	2416.8	2418.0	2414.3	2391.1	2371.6	2378.9	2385.0
5°	2415.5	2422.9	2441.2	2458.3	2452.2	2413.1	2374.0	2372.8	2377.7
7.5°	2380.1	2397.2	2435.1	2477.8	2476.6	2409.4	2352.1	2337.4	2337.4
10°	2310.6	2326.4	2367.9	2425.3	2424.1	2339.9	2276.4	2269.1	2270.3
12.5°	2248.3	2255.6	2276.4	2321.6	2321.6	2238.6	2189.7	2197.1	2206.8
15°	2181.2	2186.1	2181.2	2195.8	2189.7	2121.4	2097.0	2120.2	2134.8
17.5°	2086.0	2088.4	2062.8	2043.3	2020.1	1977.3	1983.5	2017.6	2021.3
20°	1952.9	1968.8	1922.4	1872.4	1850.4	1810.1	1844.3	1882.1	1879.7
22.5°	1806.5	1824.8	1765.0	1682.0	1636.8	1620.9	1682.0	1716.1	1714.9
25°	1639.2	1652.7	1584.3	1468.4	1407.3	1404.9	1489.1	1524.5	1527.0
27.5°	1451.3	1456.2	1379.3	1227.9	1152.2	1170.5	1276.7	1325.6	1331.7
30°	1263.3	1260.9	1181.5	993.6	893.5	943.5	1086.3	1140.0	1146.1
32.5°	1091.2	1083.9	993.6	769.0	649.4	723.8	911.8	967.9	977.7
35°	926.4	914.2	816.6	568.8	435.7	546.8	761.6	810.5	814.1
37.5°	754.3	748.2	671.3	426.0	303.9	415.0	621.3	656.7	653.0
40°	594.4	594.4	531.0	316.1	211.2	308.8	491.9	523.6	512.6
42.5°	466.3	472.4	418.7	233.1	150.1	229.5	389.4	418.7	406.5
45°	375.9	375.9	329.6	173.3	97.6	170.9	307.6	334.4	332.0
47.5°	318.6	313.7	267.3	126.9	53.7	128.2	258.8	291.7	290.5
50°	284.4	277.1	229.5	100.1	37.8	106.2	227.0	257.5	258.8
52.5°	257.5	246.6	206.3	89.1	33.0	92.8	206.3	230.7	230.7
55°	228.2	222.1	185.5	79.3	29.3	83.0	185.5	207.5	206.3
57.5°	192.9	191.6	166.0	72.0	26.9	73.2	166.0	179.4	174.5
60°	157.5	162.3	144.0	64.7	24.4	65.9	141.6	152.6	150.1
62.5°	131.8	137.9	125.7	57.4	20.7	58.6	119.6	130.6	128.2
65°	109.9	114.7	105.0	48.8	18.3	48.8	98.9	108.6	108.6
67.5°	90.3	94.0	86.7	40.3	15.9	40.3	80.6	89.1	90.3
70°	72.0	74.5	68.4	31.7	13.4	33.0	63.5	72.0	72.0
72.5°	56.1	57.4	53.7	25.6	12.2	25.6	48.8	56.1	56.1
75°	40.3	42.7	40.3	19.5	11.0	19.5	37.8	41.5	42.7
77.5°	23.2	29.3	29.3	15.9	8.5	14.6	26.9	28.1	28.1
80°	15.9	18.3	20.7	11.0	6.1	11.0	17.1	18.3	17.1
82.5°	11.0	12.2	12.2	7.3	4.9	7.3	11.0	12.2	11.0
85°	6.1	8.5	8.5	6.1	3.7	4.9	6.1	7.3	6.1
87.5°	3.7	4.9	6.1	4.9	3.7	3.7	3.7	3.7	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)