

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: P799557

Luminaire Tested: **LD6C30D010 EU6309035 6LBMDDWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799557
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 EU6309035 6LBMDDWH
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDDW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

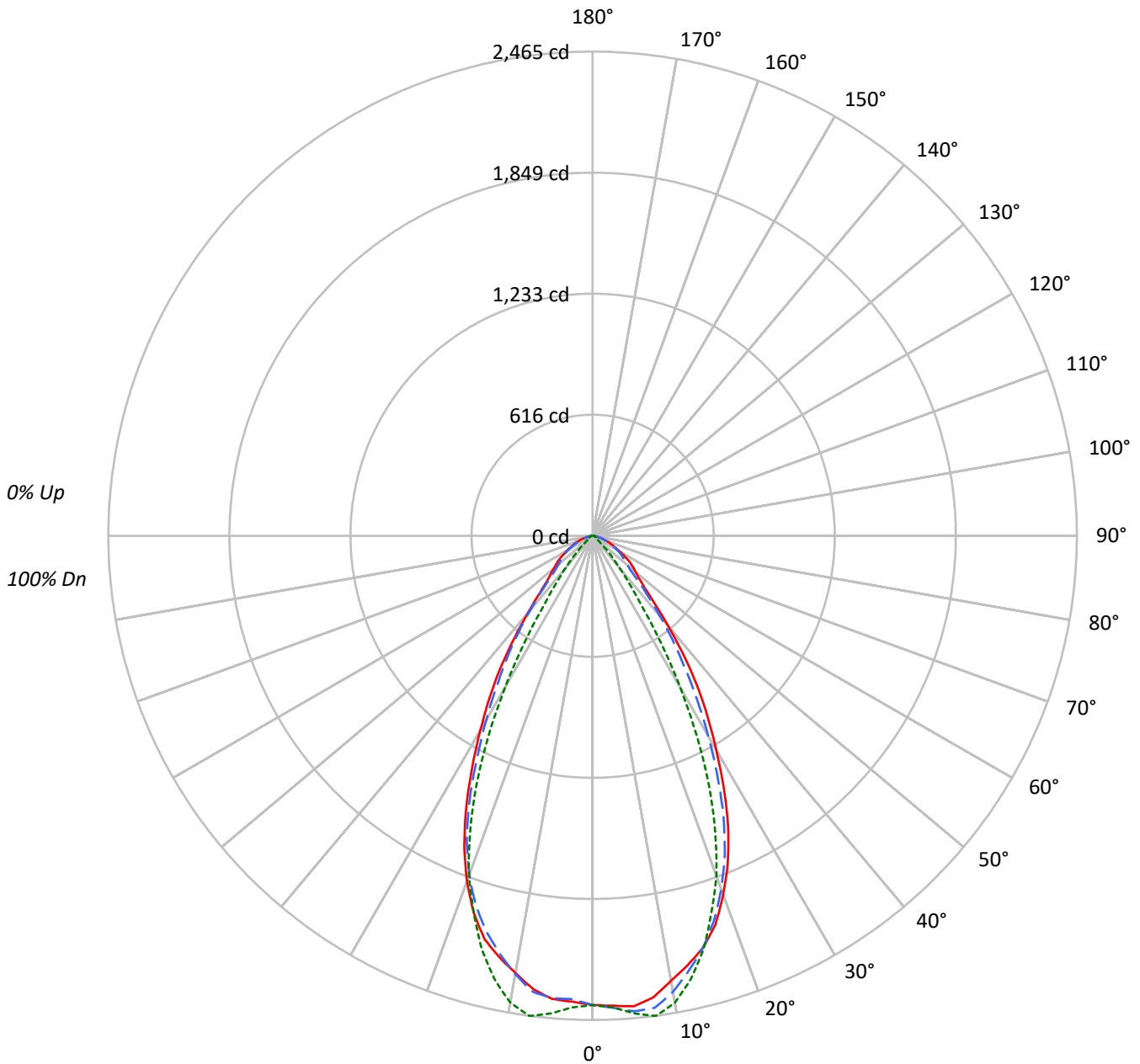
Lumens per Lamp: N/A
Luminaire Lumens: 2432.0 lumens
Efficiency: N/A
Efficacy: 77.0 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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									
RC	80									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°	130960	130960	130960
5°	132330	134333	130255
10°	128043	134333	125810
15°	123236	123718	120614
20°	113416	107465	109163
25°	98709	84743	91947
30°	79607	56300	72226
35°	61723	29031	54241
40°	42344	15042	36518
45°	29011	7536	25623
50°	24144	3215	21969
55°	21715	2791	19631
60°	17181	2664	16391
65°	14191	2361	14022
70°	11492	2148	11492
75°	8494	2309	9002
80°	4988	1926	5367
85°	3837	2264	3837



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.4	9.4
10°-20°	596.8	24.5
20°-30°	681.3	28.0
30°-40°	451.8	18.6
40°-50°	217.9	9.0
50°-60°	134.1	5.5
60°-70°	81.1	3.3
70°-80°	34.1	1.4
80°-90°	7.5	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°	1505.5	61.9
0°-40°	1957.3	80.5
0°-60°	2309.2	95.0
0°-90°	2432.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2432.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2389	2389	2389	2389	2389	
5°	2405	2430	2441	2363	2367	226
15°	2171	2171	2180	2088	2125	605
25°	1632	1577	1401	1482	1520	740
35°	922	813	434	758	810	570
45°	374	328	97	306	330	305
55°	227	185	29	185	205	200
65°	109	104	18	98	108	110
75°	40	40	11	38	42	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°	2388.9	2388.9	2388.9	2388.9	2388.9	2388.9	2388.9	2388.9	2388.9
2.5°	2394.9	2398.6	2405.9	2407.1	2403.4	2380.4	2360.9	2368.2	2374.3
5°	2404.7	2412.0	2430.2	2447.2	2441.1	2402.2	2363.3	2362.1	2367.0
7.5°	2369.4	2386.4	2424.1	2466.6	2465.4	2398.6	2341.5	2326.9	2326.9
10°	2300.2	2316.0	2357.3	2414.4	2413.2	2329.3	2266.1	2258.9	2260.1
12.5°	2238.2	2245.5	2266.1	2311.1	2311.1	2228.5	2179.9	2187.2	2196.9
15°	2171.4	2176.2	2171.4	2185.9	2179.9	2111.8	2087.5	2110.6	2125.2
17.5°	2076.6	2079.0	2053.5	2034.1	2011.0	1968.4	1974.5	2008.5	2012.2
20°	1944.1	1959.9	1913.8	1863.9	1842.1	1802.0	1836.0	1873.7	1871.2
22.5°	1798.3	1816.6	1757.0	1674.4	1629.4	1613.6	1674.4	1708.4	1707.2
25°	1631.9	1645.2	1577.2	1461.8	1401.0	1398.6	1482.4	1517.6	1520.1
27.5°	1444.7	1449.6	1373.1	1222.4	1147.0	1165.3	1271.0	1319.6	1325.7
30°	1257.6	1255.2	1176.2	989.1	889.4	939.3	1081.4	1134.9	1141.0
32.5°	1086.3	1079.0	989.1	765.5	646.4	720.5	907.7	963.6	973.3
35°	922.3	910.1	812.9	566.2	433.8	544.4	758.2	806.8	810.5
37.5°	750.9	744.8	668.3	424.1	302.6	413.1	618.5	653.7	650.1
40°	591.7	591.7	528.6	314.7	210.2	307.4	489.7	521.3	510.3
42.5°	464.2	470.2	416.8	232.1	149.5	228.4	387.6	416.8	404.6
45°	374.2	374.2	328.1	172.5	97.2	170.1	306.2	332.9	330.5
47.5°	317.1	312.3	266.1	126.4	53.5	127.6	257.6	290.4	289.2
50°	283.1	275.8	228.4	99.6	37.7	105.7	226.0	256.4	257.6
52.5°	256.4	245.4	205.4	88.7	32.8	92.3	205.4	229.7	229.7
55°	227.2	221.1	184.7	79.0	29.2	82.6	184.7	206.6	205.4
57.5°	192.0	190.8	165.3	71.7	26.7	72.9	165.3	178.6	173.8
60°	156.7	161.6	143.4	64.4	24.3	65.6	141.0	151.9	149.5
62.5°	131.2	137.3	125.2	57.1	20.7	58.3	119.1	130.0	127.6
65°	109.4	114.2	104.5	48.6	18.2	48.6	98.4	108.1	108.1
67.5°	89.9	93.6	86.3	40.1	15.8	40.1	80.2	88.7	89.9
70°	71.7	74.1	68.0	31.6	13.4	32.8	63.2	71.7	71.7
72.5°	55.9	57.1	53.5	25.5	12.2	25.5	48.6	55.9	55.9
75°	40.1	42.5	40.1	19.4	10.9	19.4	37.7	41.3	42.5
77.5°	23.1	29.2	29.2	15.8	8.5	14.6	26.7	27.9	27.9
80°	15.8	18.2	20.7	10.9	6.1	10.9	17.0	18.2	17.0
82.5°	10.9	12.2	12.2	7.3	4.9	7.3	10.9	12.2	10.9
85°	6.1	8.5	8.5	6.1	3.6	4.9	6.1	7.3	6.1
87.5°	3.6	4.9	6.1	4.9	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)