

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: P799535

Luminaire Tested: **LD6C30D010 EU6309027 6LBMDDWMW**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799535
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 EU6309027 6LBMDDWMW
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDDW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

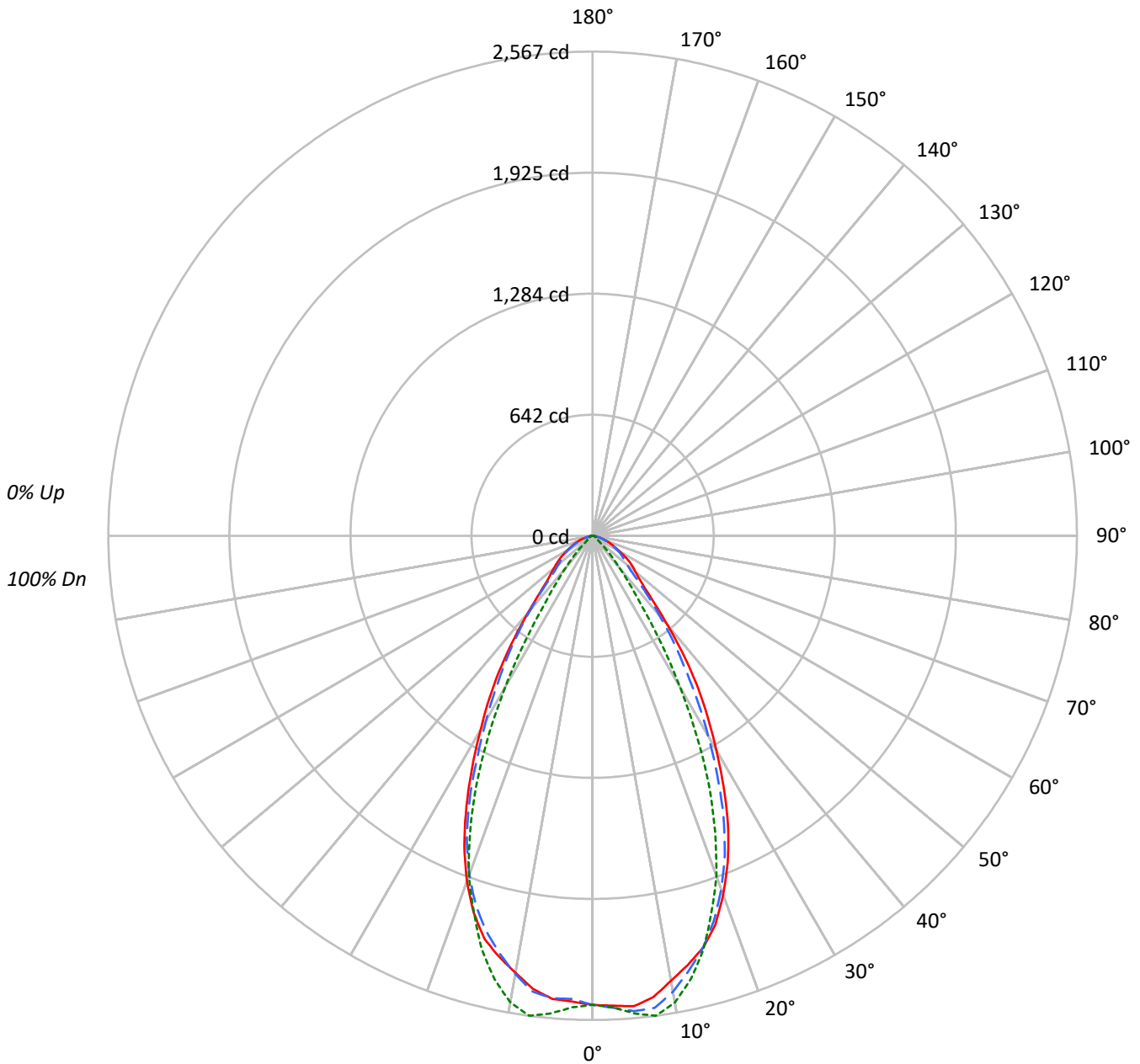
Lumens per Lamp: N/A
Luminaire Lumens: 2532.0 lumens
Efficiency: N/A
Efficacy: 80.1 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	136343	136343	136343
5°	137767	139858	135609
10°	133303	139855	130982
15°	128298	128803	125574
20°	118083	111881	113655
25°	102768	88227	95727
30°	82880	58617	75195
35°	64260	30222	56470
40°	44090	15665	38021
45°	30205	7846	26677
50°	25142	3343	22873
55°	22613	2906	20434
60°	17893	2774	17060
65°	14775	2465	14606
70°	11957	2228	11957
75°	8832	2415	9383
80°	5177	1989	5588
85°	3963	2390	3963



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.7	9.4
10°-20°	621.4	24.5
20°-30°	709.3	28.0
30°-40°	470.4	18.6
40°-50°	226.9	9.0
50°-60°	139.5	5.5
60°-70°	84.4	3.3
70°-80°	35.5	1.4
80°-90°	7.9	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°	1567.4	61.9
0°-40°	2037.8	80.5
0°-60°	2404.2	95.0
0°-90°	2532.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2532.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2487	2487	2487	2487	2487	
5°	2504	2530	2542	2460	2464	235
15°	2261	2261	2270	2173	2213	630
25°	1699	1642	1459	1543	1583	770
35°	960	846	452	789	844	594
45°	390	342	101	319	344	318
55°	237	192	30	192	214	208
65°	114	109	19	102	113	114
75°	42	42	11	39	44	45
85°	6	9	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°	2487.1	2487.1	2487.1	2487.1	2487.1	2487.1	2487.1	2487.1	2487.1
2.5°	2493.4	2497.2	2504.8	2506.1	2502.3	2478.2	2458.0	2465.6	2471.9
5°	2503.5	2511.1	2530.1	2547.8	2541.5	2501.0	2460.5	2459.3	2464.3
7.5°	2466.9	2484.6	2523.8	2568.1	2566.8	2497.2	2437.8	2422.6	2422.6
10°	2394.7	2411.2	2454.2	2513.7	2512.4	2425.1	2359.3	2351.7	2353.0
12.5°	2330.2	2337.8	2359.3	2406.1	2406.1	2320.1	2269.5	2277.1	2287.2
15°	2260.6	2265.7	2260.6	2275.8	2269.5	2198.7	2173.4	2197.4	2212.6
17.5°	2162.0	2164.5	2137.9	2117.7	2093.7	2049.4	2055.7	2091.1	2094.9
20°	2024.1	2040.5	1992.5	1940.6	1917.8	1876.1	1911.5	1950.7	1948.2
22.5°	1872.3	1891.3	1829.3	1743.2	1696.4	1680.0	1743.2	1778.7	1777.4
25°	1699.0	1712.9	1642.0	1521.9	1458.6	1456.1	1543.4	1580.1	1582.6
27.5°	1504.1	1509.2	1429.5	1272.6	1194.2	1213.2	1323.2	1373.8	1380.2
30°	1309.3	1306.8	1224.6	1029.8	926.0	977.9	1125.9	1181.6	1187.9
32.5°	1131.0	1123.4	1029.8	797.0	673.0	750.2	945.0	1003.2	1013.3
35°	960.2	947.5	846.3	589.5	451.6	566.7	789.4	840.0	843.8
37.5°	781.8	775.5	695.8	441.5	315.0	430.1	643.9	680.6	676.8
40°	616.1	616.1	550.3	327.6	218.9	320.1	509.8	542.7	531.3
42.5°	483.2	489.6	433.9	241.6	155.6	237.8	403.6	433.9	421.3
45°	389.6	389.6	341.6	179.6	101.2	177.1	318.8	346.6	344.1
47.5°	330.2	325.1	277.0	131.6	55.7	132.8	268.2	302.3	301.1
50°	294.8	287.2	237.8	103.7	39.2	110.1	235.3	266.9	268.2
52.5°	266.9	255.5	213.8	92.3	34.2	96.1	213.8	239.1	239.1
55°	236.6	230.2	192.3	82.2	30.4	86.0	192.3	215.1	213.8
57.5°	199.9	198.6	172.0	74.6	27.8	75.9	172.0	186.0	180.9
60°	163.2	168.3	149.3	67.0	25.3	68.3	146.7	158.1	155.6
62.5°	136.6	143.0	130.3	59.5	21.5	60.7	124.0	135.4	132.8
65°	113.9	118.9	108.8	50.6	19.0	50.6	102.5	112.6	112.6
67.5°	93.6	97.4	89.8	41.7	16.4	41.7	83.5	92.3	93.6
70°	74.6	77.2	70.8	32.9	13.9	34.2	65.8	74.6	74.6
72.5°	58.2	59.5	55.7	26.6	12.7	26.6	50.6	58.2	58.2
75°	41.7	44.3	41.7	20.2	11.4	20.2	39.2	43.0	44.3
77.5°	24.0	30.4	30.4	16.4	8.9	15.2	27.8	29.1	29.1
80°	16.4	19.0	21.5	11.4	6.3	11.4	17.7	19.0	17.7
82.5°	11.4	12.7	12.7	7.6	5.1	7.6	11.4	12.7	11.4
85°	6.3	8.9	8.9	6.3	3.8	5.1	6.3	7.6	6.3
87.5°	3.8	5.1	6.3	5.1	3.8	3.8	3.8	3.8	2.5
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)