

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: P799581

Luminaire Tested: **LD6C30D010 EU6309050 6LBMDDWH**

Issue Date: 4/12/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P799581  
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 EU6309050 6LBMDDWH  
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

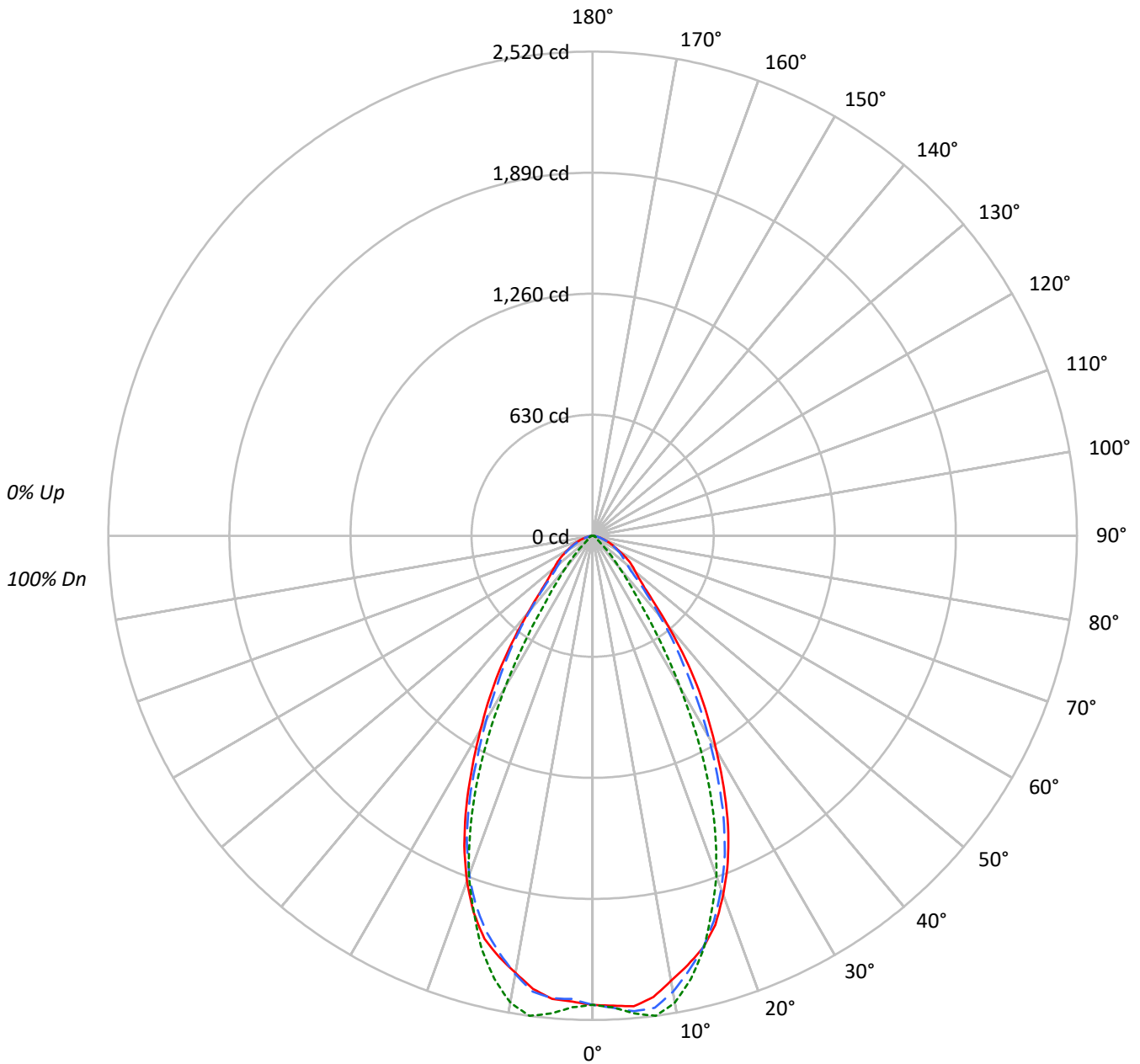
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2486.0 lumens  
Efficiency: N/A  
Efficacy: 78.7 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<sub>in</sub>): 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								
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°	133865	133865	133865
5°	135268	137315	133150
10°	130882	137311	128599
15°	125971	126465	123292
20°	115936	109851	111590
25°	100899	86624	93985
30°	81373	57553	73828
35°	63088	29674	55446
40°	43288	15379	37334
45°	29662	7706	26189
50°	24681	3283	22456
55°	22202	2848	20061
60°	17564	2719	16753
65°	14502	2413	14334
70°	11749	2196	11749
75°	8684	2372	9214
80°	5083	1957	5493
85°	3900	2327	3900



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	232.4	9.4
10°-20°	610.1	24.5
20°-30°	696.4	28.0
30°-40°	461.8	18.6
40°-50°	222.7	9.0
50°-60°	137.0	5.5
60°-70°	82.9	3.3
70°-80°	34.9	1.4
80°-90°	7.7	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°	1538.9	61.9
0°-40°	2000.7	80.5
0°-60°	2360.5	95.0
0°-90°	2486.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2486.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2442	2442	2442	2442	2442	
5°	2458	2484	2495	2416	2420	231
15°	2220	2220	2228	2134	2172	619
25°	1668	1612	1432	1515	1554	756
35°	943	831	443	775	828	583
45°	383	335	99	313	338	312
55°	232	189	30	189	210	204
65°	112	107	19	101	110	112
75°	41	41	11	38	44	44
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°	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9
2.5°	2448.1	2451.8	2459.3	2460.5	2456.8	2433.2	2413.3	2420.8	2427.0
5°	2458.1	2465.5	2484.1	2501.5	2495.3	2455.6	2415.8	2414.6	2419.6
7.5°	2422.0	2439.4	2477.9	2521.4	2520.2	2451.8	2393.5	2378.6	2378.6
10°	2351.2	2367.4	2409.6	2468.0	2466.7	2381.0	2316.5	2309.0	2310.2
12.5°	2287.9	2295.3	2316.5	2362.4	2362.4	2278.0	2228.3	2235.7	2245.7
15°	2219.6	2224.5	2219.6	2234.5	2228.3	2158.7	2133.9	2157.5	2172.4
17.5°	2122.7	2125.2	2099.1	2079.2	2055.6	2012.2	2018.4	2053.1	2056.9
20°	1987.3	2003.5	1956.3	1905.3	1883.0	1842.0	1876.8	1915.3	1912.8
22.5°	1838.3	1856.9	1796.0	1711.6	1665.6	1649.5	1711.6	1746.3	1745.1
25°	1668.1	1681.8	1612.2	1494.2	1432.1	1429.6	1515.3	1551.3	1553.8
27.5°	1476.8	1481.8	1403.5	1249.5	1172.5	1191.1	1299.2	1348.9	1355.1
30°	1285.5	1283.1	1202.3	1011.0	909.2	960.1	1105.4	1160.1	1166.3
32.5°	1110.4	1103.0	1011.0	782.5	660.8	736.5	927.8	985.0	994.9
35°	942.7	930.3	830.9	578.8	443.4	556.4	775.1	824.7	828.5
37.5°	767.6	761.4	683.1	433.5	309.3	422.3	632.2	668.2	664.5
40°	604.9	604.9	540.3	321.7	214.9	314.2	500.6	532.8	521.7
42.5°	474.5	480.7	426.0	237.2	152.8	233.5	396.2	426.0	413.6
45°	382.6	382.6	335.4	176.4	99.4	173.9	313.0	340.3	337.8
47.5°	324.2	319.2	272.0	129.2	54.7	130.4	263.3	296.9	295.6
50°	289.4	281.9	233.5	101.8	38.5	108.1	231.0	262.1	263.3
52.5°	262.1	250.9	209.9	90.7	33.5	94.4	209.9	234.8	234.8
55°	232.3	226.1	188.8	80.7	29.8	84.5	188.8	211.2	209.9
57.5°	196.2	195.0	168.9	73.3	27.3	74.5	168.9	182.6	177.6
60°	160.2	165.2	146.6	65.8	24.8	67.1	144.1	155.3	152.8
62.5°	134.1	140.4	127.9	58.4	21.1	59.6	121.7	132.9	130.4
65°	111.8	116.8	106.8	49.7	18.6	49.7	100.6	110.5	110.5
67.5°	91.9	95.6	88.2	41.0	16.1	41.0	82.0	90.7	91.9
70°	73.3	75.8	69.6	32.3	13.7	33.5	64.6	73.3	73.3
72.5°	57.1	58.4	54.7	26.1	12.4	26.1	49.7	57.1	57.1
75°	41.0	43.5	41.0	19.9	11.2	19.9	38.5	42.2	43.5
77.5°	23.6	29.8	29.8	16.1	8.7	14.9	27.3	28.6	28.6
80°	16.1	18.6	21.1	11.2	6.2	11.2	17.4	18.6	17.4
82.5°	11.2	12.4	12.4	7.5	5.0	7.5	11.2	12.4	11.2
85°	6.2	8.7	8.7	6.2	3.7	5.0	6.2	7.5	6.2
87.5°	3.7	5.0	6.2	5.0	3.7	3.7	3.7	3.7	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)