

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: P799562

Luminaire Tested: **LD6C30D010 EU6309035 6LBMDSWGPH**

Issue Date: 4/12/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P799562  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/12/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C30D010 EU6309035 6LBMDSWGPH  
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH GPH FINISH  
Light Source: -  
Ballast/Driver: -

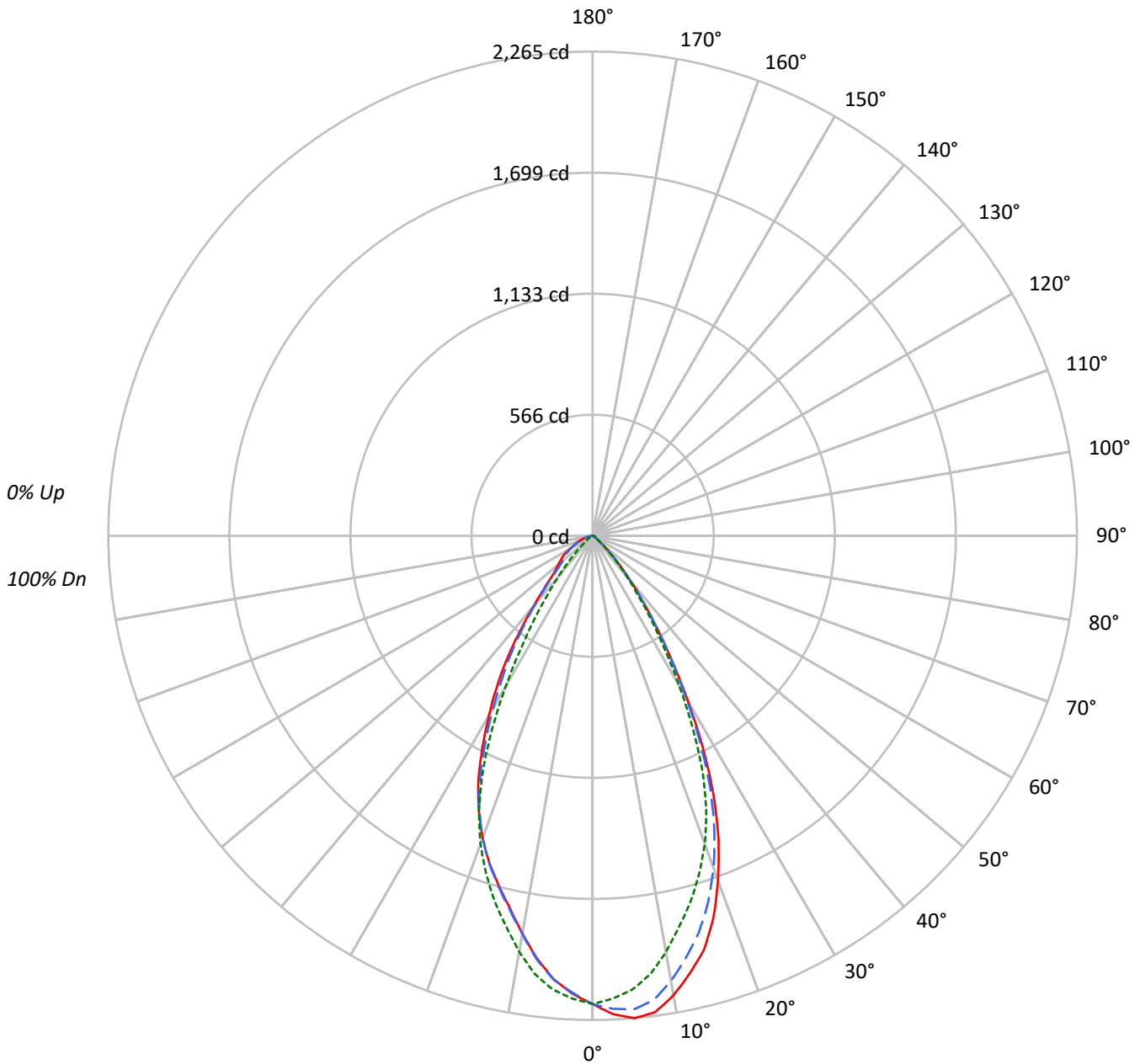
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1886.0 lumens  
Efficiency: N/A  
Efficacy: 59.7 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83  
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			100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92			92
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85			85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78			78
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73			73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67			67
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63			63
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59			59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55			55
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52			52
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49			49

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	120089	120089	120089
5°	124653	117268	114616
10°	121468	109996	105158
15°	113917	100511	96164
20°	100010	89479	87770
25°	80884	73510	76541
30°	56230	51204	61256
35°	34659	31367	46230
40°	19615	17583	30700
45°	9528	9086	20956
50°	3625	3625	17816
55°	1988	2351	16439
60°	1447	1864	13475
65°	1232	1596	11039
70°	1058	1362	9088
75°	996	1398	7816
80°	600	1200	5683
85°	566	2390	5346



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	200.5	10.6
10°-20°	504.0	26.7
20°-30°	567.4	30.1
30°-40°	351.3	18.6
40°-50°	139.9	7.4
50°-60°	63.7	3.4
60°-70°	36.6	1.9
70°-80°	17.4	0.9
80°-90°	5.1	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°	1272.0	67.4
0°-40°	1623.3	86.1
0°-60°	1826.9	96.9
0°-90°	1886.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1886.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2191	2191	2191	2191	2191	
5°	2265	2224	2131	2085	2083	213
15°	2007	1920	1771	1699	1694	555
25°	1337	1301	1215	1246	1265	601
35°	518	515	469	653	691	333
45°	123	123	117	255	270	104
55°	21	20	25	151	172	21
65°	10	8	12	84	85	9
75°	5	5	7	36	37	5
85°	1	1	4	8	8	1
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°	2190.6	2190.6	2190.6	2190.6	2190.6	2190.6	2190.6	2190.6	2190.6
2.5°	2240.7	2219.9	2215.1	2197.2	2166.9	2149.9	2139.5	2132.0	2145.2
5°	2265.2	2242.5	2223.6	2186.8	2131.0	2099.8	2084.7	2072.4	2082.8
7.5°	2247.3	2215.1	2189.6	2138.6	2067.7	2019.5	1998.7	1984.5	1994.0
10°	2182.1	2143.3	2114.0	2053.5	1976.0	1918.4	1892.9	1879.7	1889.1
12.5°	2097.0	2064.9	2020.5	1954.3	1871.1	1810.7	1791.8	1781.4	1785.1
15°	2007.2	1969.4	1920.3	1854.1	1771.0	1710.5	1699.2	1692.5	1694.4
17.5°	1876.8	1840.0	1797.4	1733.2	1656.6	1607.5	1607.5	1602.8	1605.6
20°	1714.3	1694.4	1652.8	1599.0	1533.8	1489.4	1503.5	1498.8	1504.5
22.5°	1538.5	1523.4	1487.5	1443.1	1388.2	1353.3	1384.5	1383.5	1391.1
25°	1337.2	1325.9	1301.3	1263.5	1215.3	1193.6	1245.5	1245.5	1265.4
27.5°	1115.1	1103.8	1086.8	1054.6	1015.0	1008.3	1084.9	1094.3	1116.1
30°	888.3	880.8	871.3	842.0	808.9	821.2	927.1	943.1	967.7
32.5°	686.1	681.4	678.5	652.1	622.8	663.4	784.4	805.2	829.7
35°	517.9	507.5	515.0	495.2	468.7	519.8	653.0	671.0	690.8
37.5°	381.8	374.2	380.8	366.7	343.0	398.8	524.5	535.8	549.1
40°	274.1	267.4	273.1	264.6	245.7	297.7	411.1	423.4	429.0
42.5°	194.7	183.3	189.0	182.4	172.9	224.0	323.2	334.5	336.4
45°	122.9	119.1	122.9	119.1	117.2	166.3	255.2	265.6	270.3
47.5°	74.7	69.9	69.9	68.0	69.9	122.9	210.7	225.9	233.4
50°	42.5	40.6	39.7	38.7	42.5	96.4	182.4	199.4	208.9
52.5°	28.4	27.4	27.4	26.5	31.2	81.3	164.4	179.6	189.0
55°	20.8	19.8	19.8	19.8	24.6	69.9	151.2	163.5	172.0
57.5°	16.1	16.1	16.1	15.1	20.8	59.5	135.1	141.8	148.4
60°	13.2	12.3	12.3	12.3	17.0	51.0	116.2	119.1	122.9
62.5°	10.4	10.4	10.4	10.4	14.2	45.4	100.2	100.2	102.1
65°	9.5	8.5	8.5	8.5	12.3	39.7	84.1	83.2	85.1
67.5°	7.6	7.6	7.6	7.6	10.4	34.0	69.0	68.0	69.9
70°	6.6	6.6	6.6	6.6	8.5	28.4	55.8	54.8	56.7
72.5°	5.7	5.7	5.7	5.7	7.6	23.6	44.4	44.4	45.4
75°	4.7	4.7	4.7	4.7	6.6	18.0	35.9	35.9	36.9
77.5°	3.8	3.8	3.8	3.8	4.7	14.2	27.4	26.5	26.5
80°	1.9	2.8	2.8	2.8	3.8	10.4	19.8	18.0	18.0
82.5°	0.9	1.9	1.9	1.9	3.8	7.6	13.2	12.3	12.3
85°	0.9	0.9	0.9	2.8	3.8	5.7	8.5	8.5	8.5
87.5°	0.0	0.9	1.9	3.8	4.7	4.7	5.7	4.7	4.7
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)