

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: P800034

Luminaire Tested: **LD6C70D010 EU6709030 6LBMDSWWH**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P800034  
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: LD6C70D010 EU6709030 6LBMDSWWH  
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH WH FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

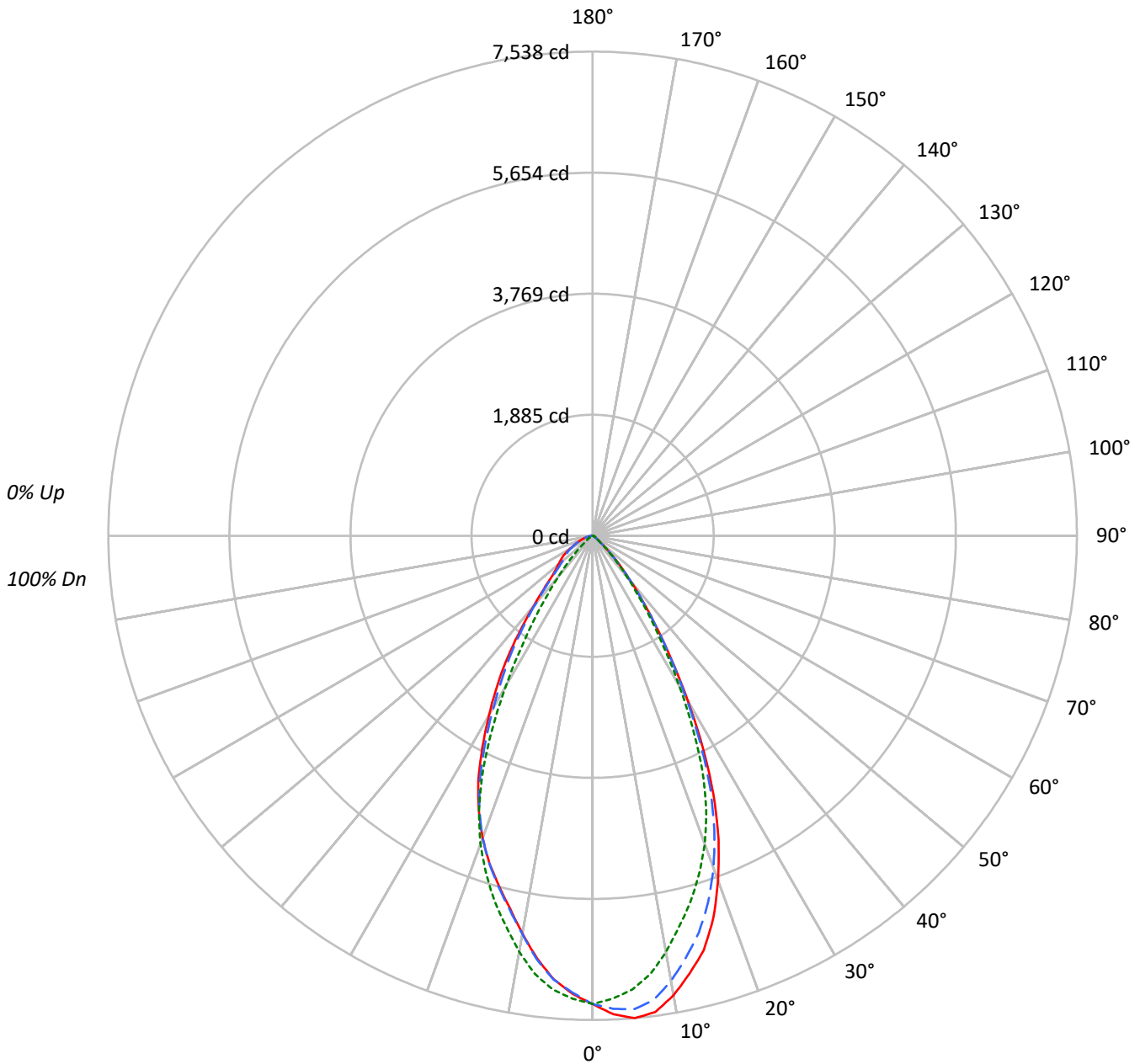
Lumens per Lamp: N/A  
Luminaire Lumens: 6276.0 lumens  
Efficiency: N/A  
Efficacy: 80.5 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 78  
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	100	100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92	92	92	92
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85	85	85	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78	78	78	78
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73	73	73	73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67	67	67	67
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63	63	63	63
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59	59	59	59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55	55	55	55
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52	52	52	52
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49	49	49	49

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

	0°	90°	180°
0°	399612	399612	399612
5°	414807	390237	381410
10°	404201	366036	349932
15°	379083	334463	320008
20°	332791	297753	292065
25°	269157	244617	254700
30°	187124	170400	203841
35°	115329	104387	153843
40°	65265	58510	102170
45°	31693	30228	69728
50°	12068	12068	59273
55°	6614	7818	54698
60°	4824	6206	44821
65°	4073	5305	36710
70°	3526	4536	30245
75°	3325	4660	25968
80°	1989	3978	18847
85°	1950	7925	17800



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	667.3	10.6
10°-20°	1677.2	26.7
20°-30°	1888.1	30.1
30°-40°	1169.2	18.6
40°-50°	465.6	7.4
50°-60°	212.0	3.4
60°-70°	121.8	1.9
70°-80°	57.9	0.9
80°-90°	16.9	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°	4232.7	67.4
0°-40°	5401.9	86.1
0°-60°	6079.4	96.9
0°-90°	6276.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6276.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	7290	7290	7290	7290	7290	
5°	7538	7400	7091	6937	6931	710
15°	6679	6390	5893	5654	5638	1848
25°	4450	4330	4044	4145	4211	2000
35°	1723	1714	1560	2173	2299	1108
45°	409	409	390	849	899	346
55°	69	66	82	503	572	69
65°	31	28	41	280	283	31
75°	16	16	22	120	123	16
85°	3	3	13	28	28	3
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°	7289.5	7289.5	7289.5	7289.5	7289.5	7289.5	7289.5	7289.5	7289.5
2.5°	7456.2	7387.0	7371.3	7311.5	7210.9	7154.3	7119.7	7094.5	7138.5
5°	7537.9	7462.5	7399.6	7276.9	7091.4	6987.6	6937.3	6896.4	6931.0
7.5°	7478.2	7371.3	7286.3	7116.5	6880.7	6720.3	6651.1	6603.9	6635.4
10°	7261.2	7132.3	7034.8	6833.5	6575.6	6383.8	6298.9	6254.9	6286.3
12.5°	6978.2	6871.2	6723.4	6503.3	6226.6	6025.3	5962.4	5927.8	5940.4
15°	6679.4	6553.6	6390.1	6170.0	5893.2	5692.0	5654.2	5632.2	5638.5
17.5°	6245.4	6122.8	5981.3	5767.4	5512.7	5349.2	5349.2	5333.5	5342.9
20°	5704.5	5638.5	5500.1	5320.9	5103.9	4956.1	5003.3	4987.5	5006.4
22.5°	5119.6	5069.3	4949.8	4802.0	4619.6	4503.3	4607.0	4603.9	4629.0
25°	4449.8	4412.1	4330.3	4204.5	4044.1	3971.8	4144.8	4144.8	4210.8
27.5°	3710.8	3673.0	3616.4	3509.5	3377.4	3355.4	3610.2	3641.6	3713.9
30°	2956.1	2930.9	2899.4	2802.0	2691.9	2732.8	3085.0	3138.4	3220.2
32.5°	2283.1	2267.4	2257.9	2169.9	2072.4	2207.6	2610.1	2679.3	2761.1
35°	1723.3	1688.7	1713.9	1647.8	1559.8	1729.6	2173.0	2232.8	2298.8
37.5°	1270.5	1245.3	1267.3	1220.2	1141.5	1327.1	1745.3	1783.1	1827.1
40°	912.0	890.0	908.8	880.5	817.6	990.6	1368.0	1408.8	1427.7
42.5°	647.8	610.1	628.9	606.9	575.5	745.3	1075.5	1113.2	1119.5
45°	408.8	396.2	408.8	396.2	389.9	553.5	849.1	883.7	899.4
47.5°	248.4	232.7	232.7	226.4	232.7	408.8	701.3	751.6	776.7
50°	141.5	135.2	132.1	128.9	141.5	320.8	606.9	663.5	695.0
52.5°	94.3	91.2	91.2	88.1	103.8	270.4	547.2	597.5	628.9
55°	69.2	66.0	66.0	66.0	81.8	232.7	503.2	544.0	572.3
57.5°	53.5	53.5	53.5	50.3	69.2	198.1	449.7	471.7	493.7
60°	44.0	40.9	40.9	40.9	56.6	169.8	386.8	396.2	408.8
62.5°	34.6	34.6	34.6	34.6	47.2	150.9	333.3	333.3	339.6
65°	31.4	28.3	28.3	28.3	40.9	132.1	279.9	276.7	283.0
67.5°	25.2	25.2	25.2	25.2	34.6	113.2	229.6	226.4	232.7
70°	22.0	22.0	22.0	22.0	28.3	94.3	185.5	182.4	188.7
72.5°	18.9	18.9	18.9	18.9	25.2	78.6	147.8	147.8	150.9
75°	15.7	15.7	15.7	15.7	22.0	59.7	119.5	119.5	122.6
77.5°	12.6	12.6	12.6	12.6	15.7	47.2	91.2	88.1	88.1
80°	6.3	9.4	9.4	9.4	12.6	34.6	66.0	59.7	59.7
82.5°	3.1	6.3	6.3	6.3	12.6	25.2	44.0	40.9	40.9
85°	3.1	3.1	3.1	9.4	12.6	18.9	28.3	28.3	28.3
87.5°	0.0	3.1	6.3	12.6	15.7	15.7	18.9	15.7	15.7
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)