

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: P800017

Luminaire Tested: **LD6C70D010 EU6709027 6LBMDDWWMH**

Issue Date: 4/12/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P800017  
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: LD6C70D010 EU6709027 6LBMDDWWMH  
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH WMH FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

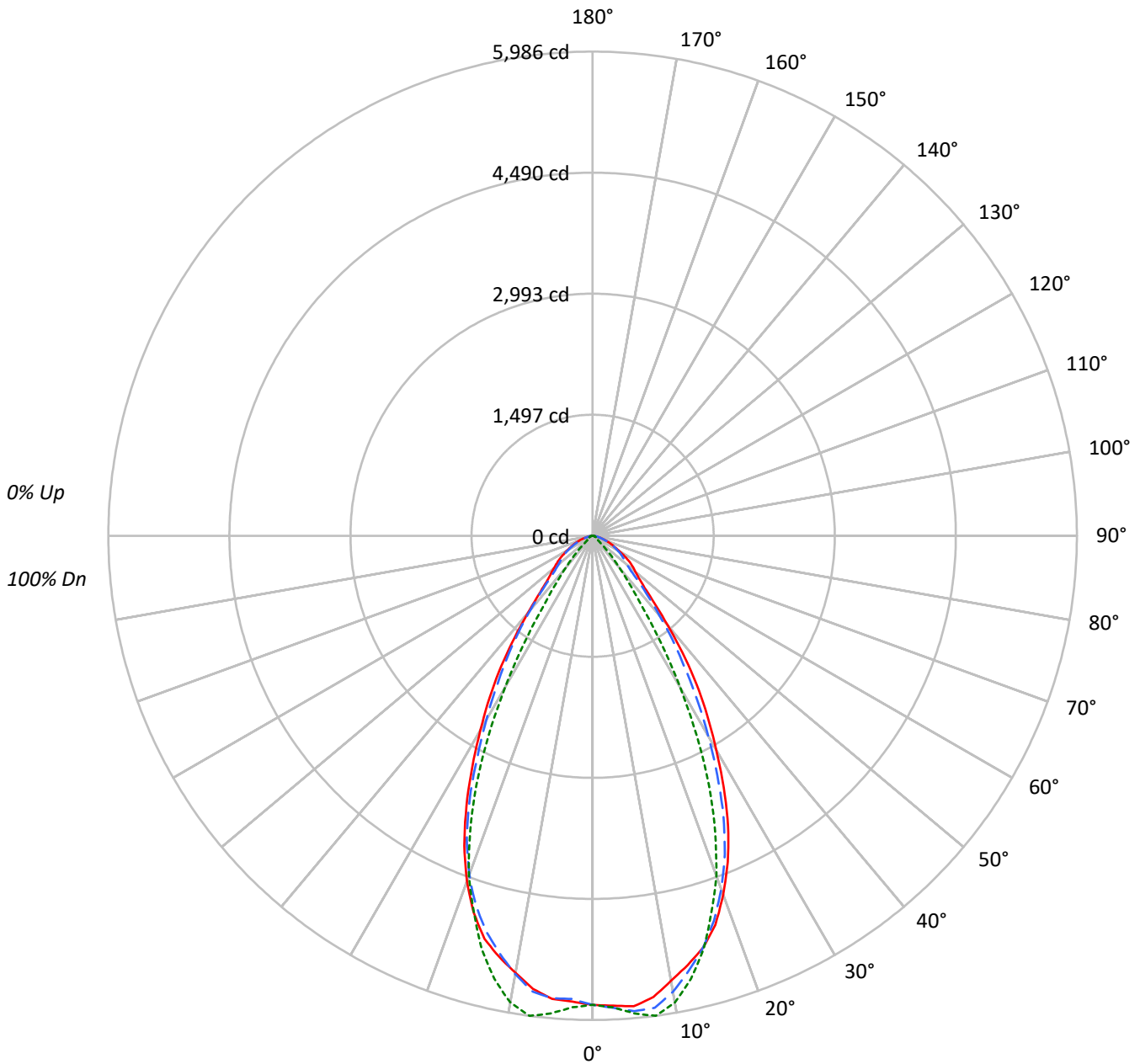
Lumens per Lamp: N/A  
Luminaire Lumens: 5905.1 lumens  
Efficiency: N/A  
Efficacy: 75.7 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 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	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°	317973	317973	317973
5°	321296	326166	316266
10°	310888	326163	305466
15°	299219	300388	292856
20°	275386	260924	265055
25°	239663	205760	223247
30°	193289	136705	175362
35°	149861	70490	131691
40°	102821	36526	88673
45°	70449	18296	62216
50°	58625	7804	53346
55°	52729	6767	47654
60°	41729	6469	39788
65°	34439	5746	34063
70°	27905	5209	27905
75°	20630	5634	21880
80°	12123	4672	13038
85°	9309	5598	9309



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	552.1	9.4
10°-20°	1449.2	24.5
20°-30°	1654.1	28.0
30°-40°	1097.0	18.6
40°-50°	529.1	9.0
50°-60°	325.5	5.5
60°-70°	196.9	3.3
70°-80°	82.9	1.4
80°-90°	18.3	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°	3655.4	61.9
0°-40°	4752.4	80.5
0°-60°	5606.9	95.0
0°-90°	5905.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5905.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	5800	5800	5800	5800	5800	
5°	5839	5901	5927	5738	5747	549
15°	5272	5272	5293	5069	5160	1469
25°	3962	3830	3402	3599	3691	1797
35°	2239	1974	1053	1841	1968	1385
45°	909	797	236	744	802	741
55°	552	448	71	448	499	485
65°	266	254	44	239	263	267
75°	97	97	27	92	103	104
85°	15	21	9	15	15	19
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°	5800.3	5800.3	5800.3	5800.3	5800.3	5800.3	5800.3	5800.3	5800.3
2.5°	5815.0	5823.9	5841.6	5844.5	5835.7	5779.6	5732.4	5750.1	5764.9
5°	5838.6	5856.3	5900.6	5941.9	5927.1	5832.7	5738.3	5735.4	5747.2
7.5°	5753.1	5794.4	5885.8	5989.1	5986.1	5823.9	5685.2	5649.8	5649.8
10°	5584.9	5623.3	5723.6	5862.2	5859.3	5655.7	5502.3	5484.6	5487.5
12.5°	5434.4	5452.1	5502.3	5611.5	5611.5	5410.8	5292.8	5310.5	5334.1
15°	5272.2	5284.0	5272.2	5307.6	5292.8	5127.6	5068.6	5124.7	5160.1
17.5°	5042.0	5047.9	4986.0	4938.8	4882.7	4779.5	4794.2	4876.8	4885.7
20°	4720.5	4758.8	4646.7	4525.7	4472.6	4375.3	4457.9	4549.3	4543.4
22.5°	4366.4	4410.7	4266.1	4065.5	3956.3	3918.0	4065.5	4148.1	4145.2
25°	3962.2	3994.7	3829.5	3549.2	3401.7	3395.8	3599.4	3684.9	3690.8
27.5°	3507.9	3519.7	3333.8	2968.0	2785.1	2829.3	3086.0	3204.0	3218.8
30°	3053.5	3047.6	2855.9	2401.5	2159.6	2280.6	2625.8	2755.6	2770.3
32.5°	2637.6	2619.9	2401.5	1858.7	1569.6	1749.5	2203.9	2339.6	2363.2
35°	2239.3	2209.8	1973.7	1374.8	1053.3	1321.7	1841.0	1959.0	1967.8
37.5°	1823.3	1808.5	1622.7	1029.7	734.6	1003.1	1501.7	1587.3	1578.4
40°	1436.8	1436.8	1283.4	764.1	510.4	746.4	1189.0	1265.7	1239.1
42.5°	1127.0	1141.8	1011.9	563.5	362.9	554.7	941.1	1011.9	982.4
45°	908.7	908.7	796.6	418.9	236.0	413.0	743.5	808.4	802.5
47.5°	770.0	758.2	646.1	306.8	129.8	309.8	625.5	705.1	702.2
50°	687.4	669.7	554.7	241.9	91.5	256.7	548.8	622.5	625.5
52.5°	622.5	596.0	498.6	215.4	79.7	224.2	498.6	557.6	557.6
55°	551.7	537.0	448.4	191.8	70.8	200.6	448.4	501.5	498.6
57.5°	466.1	463.2	401.2	174.1	64.9	177.0	401.2	433.7	421.9
60°	380.6	392.4	348.1	156.4	59.0	159.3	342.2	368.8	362.9
62.5°	318.6	333.4	303.9	138.7	50.2	141.6	289.1	315.7	309.8
65°	265.5	277.3	253.7	118.0	44.3	118.0	239.0	262.6	262.6
67.5°	218.3	227.2	209.5	97.4	38.4	97.4	194.7	215.4	218.3
70°	174.1	180.0	165.2	76.7	32.5	79.7	153.4	174.1	174.1
72.5°	135.7	138.7	129.8	62.0	29.5	62.0	118.0	135.7	135.7
75°	97.4	103.3	97.4	47.2	26.6	47.2	91.5	100.3	103.3
77.5°	56.1	70.8	70.8	38.4	20.7	35.4	64.9	67.9	67.9
80°	38.4	44.3	50.2	26.6	14.8	26.6	41.3	44.3	41.3
82.5°	26.6	29.5	29.5	17.7	11.8	17.7	26.6	29.5	26.6
85°	14.8	20.7	20.7	14.8	8.9	11.8	14.8	17.7	14.8
87.5°	8.9	11.8	14.8	11.8	8.9	8.9	8.9	8.9	5.9
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)