

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: P800016

Luminaire Tested: **LD6C70D010 EU6709027 6LBMDDWWH**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P800016  
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 6LBMDDWWH  
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH WH FINISH  
Light Source: -  
Ballast/Driver: -

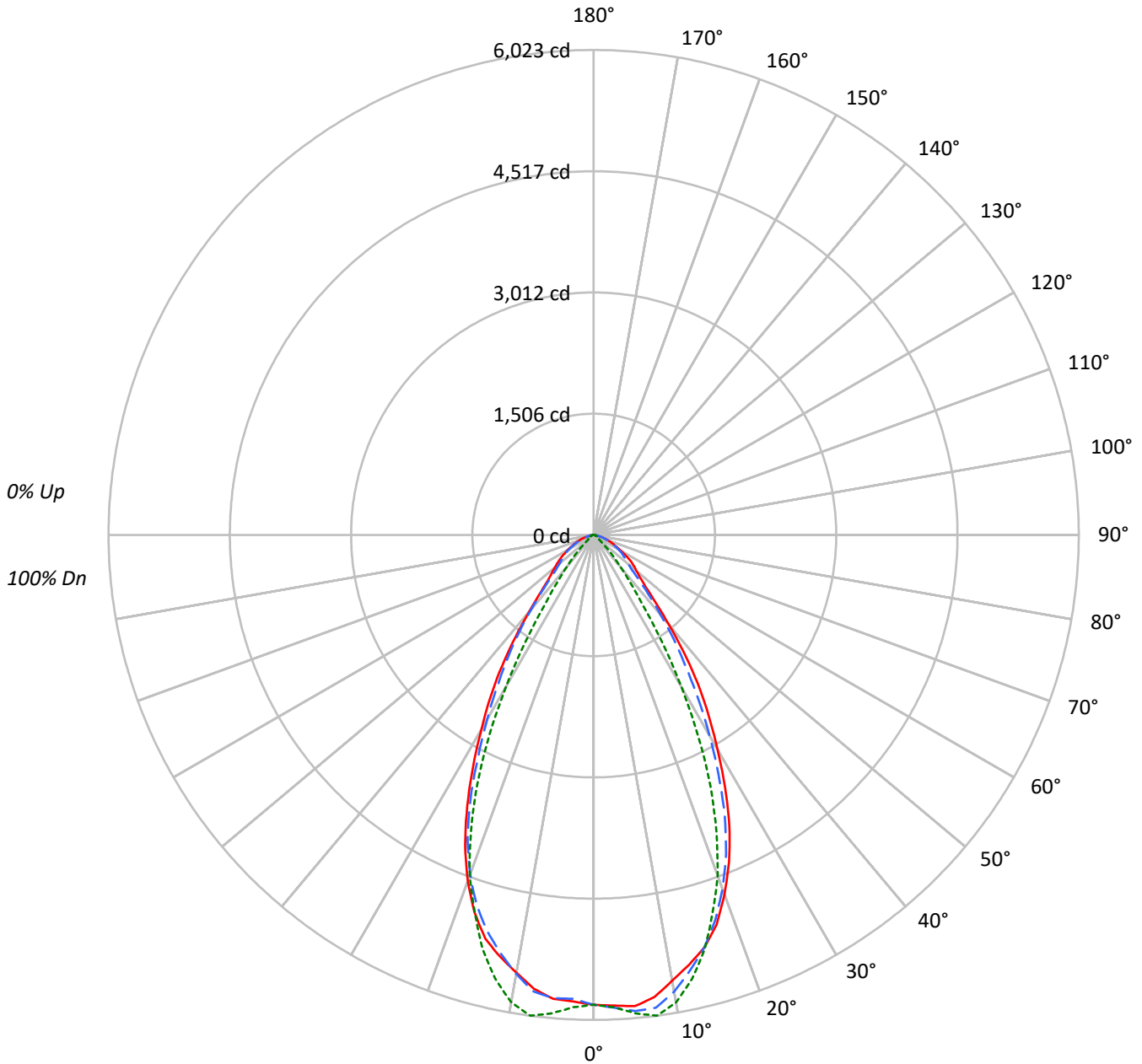
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5941.0 lumens  
Efficiency: N/A  
Efficacy: 76.2 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°	319909	319909	319909
5°	323255	328158	318192
10°	312781	328150	307331
15°	301040	302221	294638
20°	277061	262517	266671
25°	241127	207012	224608
30°	194473	137540	176432
35°	150771	70918	132494
40°	103451	36747	89217
45°	70876	18413	62596
50°	58983	7846	53670
55°	53054	6805	47941
60°	41981	6513	40030
65°	34647	5772	34271
70°	28066	5241	28066
75°	20757	5655	22007
80°	12186	4672	13133
85°	9309	5598	9309



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	555.5	9.4
10°-20°	1458.0	24.5
20°-30°	1664.2	28.0
30°-40°	1103.7	18.6
40°-50°	532.3	9.0
50°-60°	327.4	5.5
60°-70°	198.1	3.3
70°-80°	83.4	1.4
80°-90°	18.4	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°	3677.7	61.9
0°-40°	4781.3	80.5
0°-60°	5641.1	95.0
0°-90°	5941.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5941.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	5836	5836	5836	5836	5836	
5°	5874	5937	5963	5773	5782	552
15°	5304	5304	5325	5100	5192	1478
25°	3986	3853	3422	3621	3713	1808
35°	2253	1986	1060	1852	1980	1393
45°	914	801	238	748	807	746
55°	555	451	71	451	502	488
65°	267	255	44	240	264	268
75°	98	98	27	92	104	105
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°	5835.6	5835.6	5835.6	5835.6	5835.6	5835.6	5835.6	5835.6	5835.6
2.5°	5850.5	5859.4	5877.2	5880.2	5871.2	5814.9	5767.4	5785.2	5800.0
5°	5874.2	5892.0	5936.6	5978.1	5963.3	5868.3	5773.3	5770.3	5782.2
7.5°	5788.1	5829.7	5921.7	6025.6	6022.6	5859.4	5719.9	5684.2	5684.2
10°	5618.9	5657.5	5758.5	5898.0	5895.0	5690.2	5535.8	5518.0	5521.0
12.5°	5467.6	5485.4	5535.8	5645.7	5645.7	5443.8	5325.1	5342.9	5366.6
15°	5304.3	5316.2	5304.3	5339.9	5325.1	5158.9	5099.5	5155.9	5191.5
17.5°	5072.8	5078.7	5016.4	4968.9	4912.5	4808.6	4823.4	4906.6	4915.5
20°	4749.2	4787.8	4675.0	4553.3	4499.9	4402.0	4485.1	4577.1	4571.1
22.5°	4393.0	4437.6	4292.1	4090.3	3980.5	3941.9	4090.3	4173.4	4170.4
25°	3986.4	4019.0	3852.8	3570.8	3422.4	3416.5	3621.3	3707.4	3713.3
27.5°	3529.3	3541.2	3354.2	2986.1	2802.1	2846.6	3104.8	3223.5	3238.4
30°	3072.2	3066.2	2873.3	2416.2	2172.8	2294.5	2641.8	2772.4	2787.2
32.5°	2653.6	2635.8	2416.2	1870.0	1579.1	1760.2	2217.3	2353.8	2377.6
35°	2252.9	2223.2	1985.8	1383.2	1059.7	1329.8	1852.2	1970.9	1979.8
37.5°	1834.4	1819.6	1632.6	1035.9	739.1	1009.2	1510.9	1596.9	1588.0
40°	1445.6	1445.6	1291.2	768.8	513.5	751.0	1196.2	1273.4	1246.7
42.5°	1133.9	1148.7	1018.1	566.9	365.1	558.0	946.9	1018.1	988.4
45°	914.2	914.2	801.4	421.5	237.5	415.6	748.0	813.3	807.4
47.5°	774.7	762.8	650.1	308.7	130.6	311.7	629.3	709.4	706.4
50°	691.6	673.8	558.0	243.4	92.0	258.2	552.1	626.3	629.3
52.5°	626.3	599.6	501.6	216.7	80.1	225.6	501.6	561.0	561.0
55°	555.1	540.2	451.2	192.9	71.2	201.8	451.2	504.6	501.6
57.5°	469.0	466.0	403.7	175.1	65.3	178.1	403.7	436.3	424.5
60°	382.9	394.8	350.3	157.3	59.4	160.3	344.3	371.0	365.1
62.5°	320.6	335.4	305.7	139.5	50.5	142.5	290.9	317.6	311.7
65°	267.1	279.0	255.3	118.7	44.5	118.7	240.4	264.2	264.2
67.5°	219.7	228.6	210.7	98.0	38.6	98.0	195.9	216.7	219.7
70°	175.1	181.1	166.2	77.2	32.7	80.1	154.4	175.1	175.1
72.5°	136.5	139.5	130.6	62.3	29.7	62.3	118.7	136.5	136.5
75°	98.0	103.9	98.0	47.5	26.7	47.5	92.0	100.9	103.9
77.5°	56.4	71.2	71.2	38.6	20.8	35.6	65.3	68.3	68.3
80°	38.6	44.5	50.5	26.7	14.8	26.7	41.6	44.5	41.6
82.5°	26.7	29.7	29.7	17.8	11.9	17.8	26.7	29.7	26.7
85°	14.8	20.8	20.8	14.8	8.9	11.9	14.8	17.8	14.8
87.5°	8.9	11.9	14.8	11.9	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)