

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: P799912

Luminaire Tested: **LD6C60D010 EU6609030 6LBMDSWLI**

Issue Date: 4/12/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P799912  
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: LD6C60D010 EU6609030 6LBMDSWLI  
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

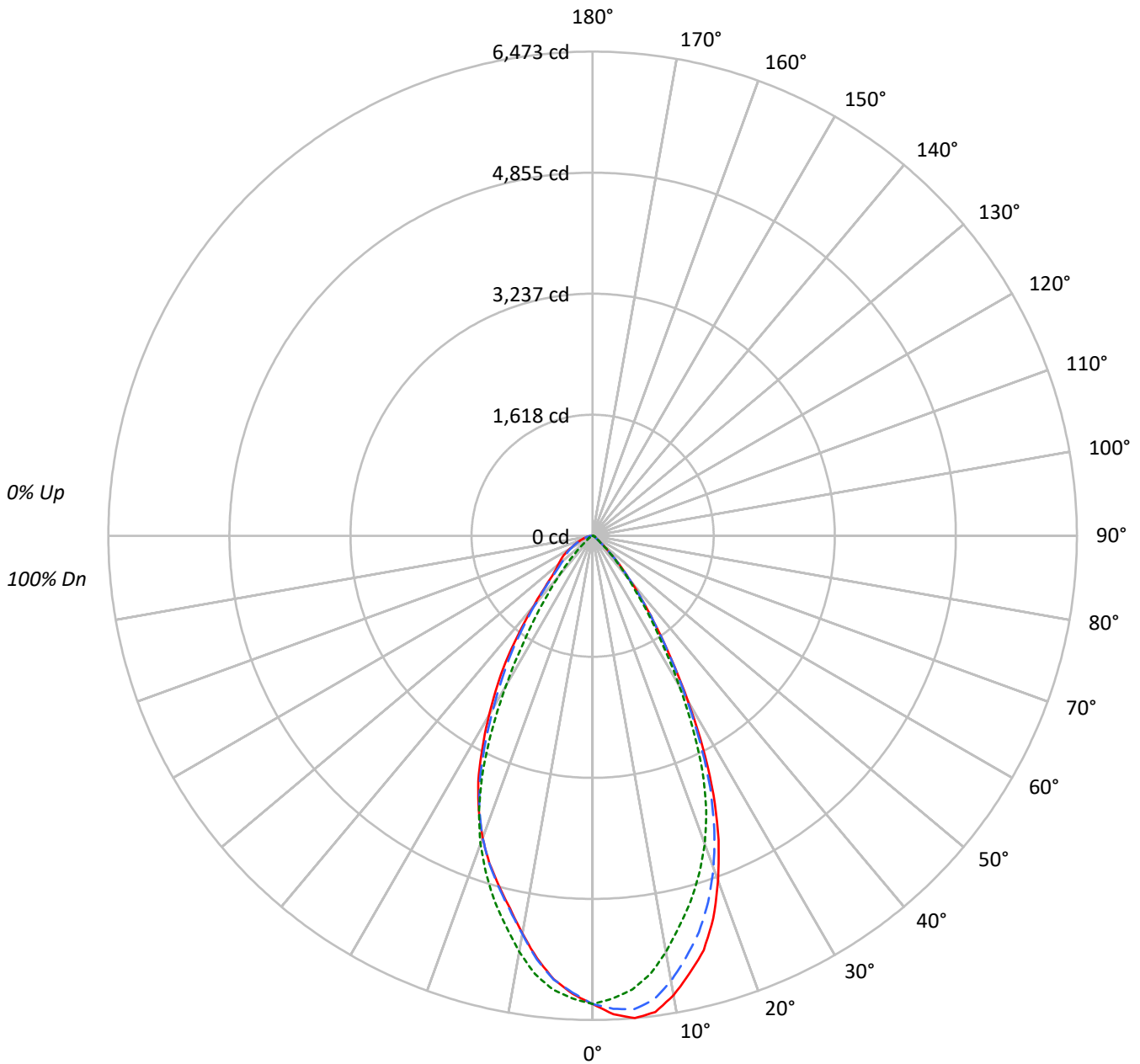
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5389.0 lumens  
Efficiency: N/A  
Efficacy: 74.8 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): 72  
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°	343136	343136	343136
5°	356184	335081	327503
10°	347077	314306	300479
15°	325507	287192	274780
20°	285759	255674	250785
25°	231116	210048	218704
30°	160677	146314	175033
35°	99033	89630	132099
40°	56041	50244	87729
45°	27212	25956	59874
50°	10362	10362	50898
55°	5677	6709	46976
60°	4144	5329	38484
65°	3502	4553	31521
70°	3029	3895	25966
75°	2859	4003	22303
80°	1705	3410	16195
85°	1698	6793	15284



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	573.0	10.6
10°-20°	1440.2	26.7
20°-30°	1621.3	30.1
30°-40°	1003.9	18.6
40°-50°	399.8	7.4
50°-60°	182.0	3.4
60°-70°	104.6	1.9
70°-80°	49.7	0.9
80°-90°	14.5	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°	3634.5	67.4
0°-40°	4638.4	86.1
0°-60°	5220.2	96.9
0°-90°	5389.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5389.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	6259	6259	6259	6259	6259	
5°	6473	6354	6089	5957	5951	610
15°	5735	5487	5060	4855	4842	1587
25°	3821	3718	3473	3559	3616	1718
35°	1480	1472	1339	1866	1974	951
45°	351	351	335	729	772	297
55°	59	57	70	432	492	59
65°	27	24	35	240	243	26
75°	14	14	19	103	105	14
85°	3	3	11	24	24	2
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°	6259.3	6259.3	6259.3	6259.3	6259.3	6259.3	6259.3	6259.3	6259.3
2.5°	6402.4	6343.0	6329.5	6278.2	6191.7	6143.1	6113.4	6091.8	6129.6
5°	6472.6	6407.8	6353.8	6248.5	6089.1	6000.0	5956.8	5921.7	5951.4
7.5°	6421.3	6329.5	6256.6	6110.7	5908.2	5770.5	5711.1	5670.6	5697.6
10°	6235.0	6124.2	6040.5	5867.7	5646.3	5481.6	5408.7	5370.9	5397.9
12.5°	5991.9	5900.1	5773.2	5584.2	5346.6	5173.7	5119.7	5090.0	5100.8
15°	5735.4	5627.4	5487.0	5298.0	5060.3	4887.5	4855.1	4836.2	4841.6
17.5°	5362.8	5257.5	5135.9	4952.3	4733.6	4593.2	4593.2	4579.7	4587.8
20°	4898.3	4841.6	4722.8	4568.9	4382.6	4255.6	4296.1	4282.6	4298.8
22.5°	4396.1	4352.9	4250.2	4123.3	3966.7	3866.8	3955.9	3953.2	3974.8
25°	3820.9	3788.5	3718.3	3610.3	3472.6	3410.5	3559.0	3559.0	3615.7
27.5°	3186.3	3153.9	3105.3	3013.5	2900.1	2881.2	3099.9	3126.9	3189.0
30°	2538.3	2516.7	2489.7	2406.0	2311.4	2346.5	2649.0	2694.9	2765.1
32.5°	1960.4	1946.9	1938.8	1863.2	1779.5	1895.6	2241.2	2300.6	2370.8
35°	1479.8	1450.1	1471.7	1414.9	1339.3	1485.2	1865.9	1917.2	1973.9
37.5°	1090.9	1069.3	1088.2	1047.7	980.2	1139.5	1498.7	1531.1	1568.9
40°	783.1	764.2	780.4	756.1	702.1	850.6	1174.6	1209.7	1225.9
42.5°	556.3	523.9	540.1	521.2	494.2	640.0	923.5	955.9	961.3
45°	351.0	340.2	351.0	340.2	334.8	475.2	729.1	758.8	772.3
47.5°	213.3	199.8	199.8	194.4	199.8	351.0	602.2	645.4	667.0
50°	121.5	116.1	113.4	110.7	121.5	275.4	521.2	569.8	596.8
52.5°	81.0	78.3	78.3	75.6	89.1	232.2	469.8	513.1	540.1
55°	59.4	56.7	56.7	56.7	70.2	199.8	432.0	467.1	491.5
57.5°	45.9	45.9	45.9	43.2	59.4	170.1	386.1	405.0	423.9
60°	37.8	35.1	35.1	35.1	48.6	145.8	332.1	340.2	351.0
62.5°	29.7	29.7	29.7	29.7	40.5	129.6	286.2	286.2	291.6
65°	27.0	24.3	24.3	24.3	35.1	113.4	240.3	237.6	243.0
67.5°	21.6	21.6	21.6	21.6	29.7	97.2	197.1	194.4	199.8
70°	18.9	18.9	18.9	18.9	24.3	81.0	159.3	156.6	162.0
72.5°	16.2	16.2	16.2	16.2	21.6	67.5	126.9	126.9	129.6
75°	13.5	13.5	13.5	13.5	18.9	51.3	102.6	102.6	105.3
77.5°	10.8	10.8	10.8	10.8	13.5	40.5	78.3	75.6	75.6
80°	5.4	8.1	8.1	8.1	10.8	29.7	56.7	51.3	51.3
82.5°	2.7	5.4	5.4	5.4	10.8	21.6	37.8	35.1	35.1
85°	2.7	2.7	2.7	8.1	10.8	16.2	24.3	24.3	24.3
87.5°	0.0	2.7	5.4	10.8	13.5	13.5	16.2	13.5	13.5
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)