

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: P799336

Luminaire Tested: **LD6C10D010 EU6109040 6LBMDSWLI**

Issue Date: 4/12/2024

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



**Test Information**

Test Method: LM-79-08  
Report Number: P799336  
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: LD6C10D010 EU6109040 6LBMDSWLI  
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

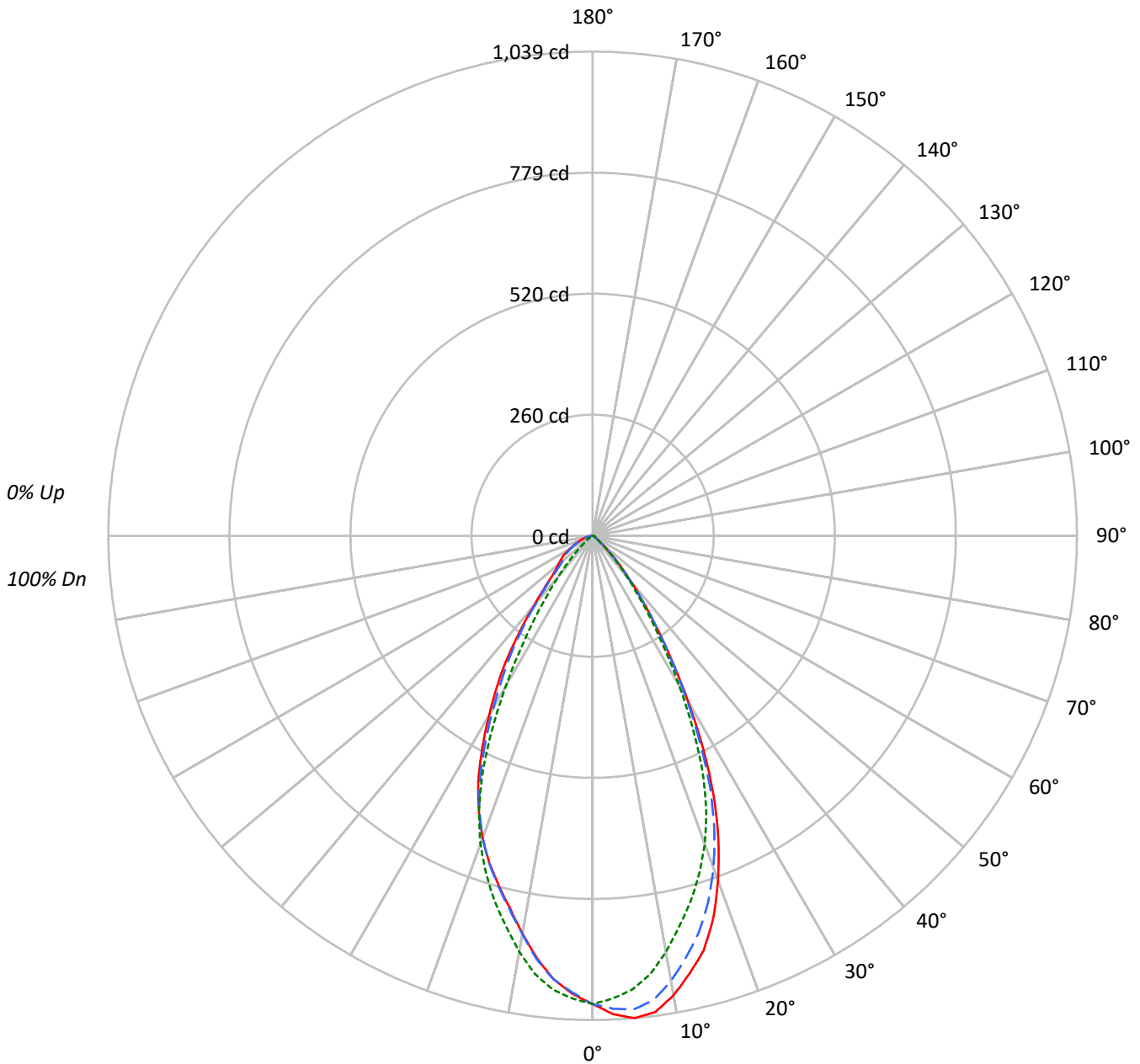
Lumens per Lamp: N/A  
Luminaire Lumens: 865.0 lumens  
Efficiency: N/A  
Efficacy: 88.3 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 9.8  
Input Voltage (V): NR  
Input Current (Ain): 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

TEST NUMBER: P799336

CATALOG NUMBER: LD6C10D010 EU6109040 6LBMDSWLI

### Luminous Intensity Polar Plot





TEST NUMBER: P799336

CATALOG NUMBER: LD6C10D010 EU6109040 6LBMDSWLI

**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°	55078	55078	55078
5°	57170	53786	52570
10°	55710	50450	48229
15°	52248	46096	44104
20°	45866	41041	40253
25°	37097	33716	35107
30°	25789	23485	28093
35°	15894	14388	21201
40°	8995	8065	14084
45°	4365	4163	9613
50°	1663	1663	8170
55°	908	1080	7541
60°	669	855	6173
65°	558	726	5059
70°	481	625	4167
75°	466	635	3580
80°	284	537	2589
85°	252	1069	2453



TEST NUMBER: P799336

CATALOG NUMBER: LD6C10D010 EU6109040 6LBMDSWLI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	92.0	10.6
10°-20°	231.2	26.7
20°-30°	260.2	30.1
30°-40°	161.1	18.6
40°-50°	64.2	7.4
50°-60°	29.2	3.4
60°-70°	16.8	1.9
70°-80°	8.0	0.9
80°-90°	2.3	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°	583.4	67.4
0°-40°	744.5	86.1
0°-60°	837.9	96.9
0°-90°	865.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	865.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1005	1005	1005	1005	1005	
5°	1039	1020	977	956	955	98
15°	921	881	812	779	777	255
25°	613	597	557	571	580	276
35°	238	236	215	300	317	153
45°	56	56	54	117	124	48
55°	10	9	11	69	79	9
65°	4	4	6	39	39	4
75°	2	2	3	16	17	2
85°	0	0	2	4	4	0
90°	0	0	0	0	0	



TEST NUMBER: P799336

CATALOG NUMBER: LD6C10D010 EU6109040 6LBMDSWLI

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1004.7	1004.7	1004.7	1004.7	1004.7	1004.7	1004.7	1004.7	1004.7
2.5°	1027.7	1018.1	1016.0	1007.7	993.9	986.0	981.3	977.8	983.9
5°	1038.9	1028.5	1019.9	1003.0	977.4	963.1	956.1	950.5	955.3
7.5°	1030.7	1016.0	1004.3	980.8	948.3	926.2	916.7	910.2	914.5
10°	1000.8	983.0	969.6	941.8	906.3	879.9	868.2	862.1	866.4
12.5°	961.8	947.0	926.7	896.3	858.2	830.4	821.8	817.0	818.7
15°	920.6	903.3	880.7	850.4	812.2	784.5	779.3	776.3	777.1
17.5°	860.8	843.9	824.4	794.9	759.8	737.3	737.3	735.1	736.4
20°	786.2	777.1	758.1	733.4	703.5	683.1	689.6	687.4	690.0
22.5°	705.6	698.7	682.2	661.8	636.7	620.7	635.0	634.5	638.0
25°	613.3	608.1	596.8	579.5	557.4	547.4	571.3	571.3	580.4
27.5°	511.4	506.2	498.4	483.7	465.5	462.5	497.6	501.9	511.9
30°	407.4	404.0	399.6	386.2	371.0	376.6	425.2	432.6	443.8
32.5°	314.7	312.5	311.2	299.1	285.6	304.3	359.7	369.3	380.5
35°	237.5	232.8	236.2	227.1	215.0	238.4	299.5	307.7	316.8
37.5°	175.1	171.6	174.7	168.2	157.3	182.9	240.6	245.8	251.8
40°	125.7	122.7	125.3	121.4	112.7	136.5	188.5	194.2	196.8
42.5°	89.3	84.1	86.7	83.7	79.3	102.7	148.2	153.4	154.3
45°	56.3	54.6	56.3	54.6	53.7	76.3	117.0	121.8	124.0
47.5°	34.2	32.1	32.1	31.2	32.1	56.3	96.7	103.6	107.1
50°	19.5	18.6	18.2	17.8	19.5	44.2	83.7	91.5	95.8
52.5°	13.0	12.6	12.6	12.1	14.3	37.3	75.4	82.4	86.7
55°	9.5	9.1	9.1	9.1	11.3	32.1	69.3	75.0	78.9
57.5°	7.4	7.4	7.4	6.9	9.5	27.3	62.0	65.0	68.0
60°	6.1	5.6	5.6	5.6	7.8	23.4	53.3	54.6	56.3
62.5°	4.8	4.8	4.8	4.8	6.5	20.8	45.9	45.9	46.8
65°	4.3	3.9	3.9	3.9	5.6	18.2	38.6	38.1	39.0
67.5°	3.5	3.5	3.5	3.5	4.8	15.6	31.6	31.2	32.1
70°	3.0	3.0	3.0	3.0	3.9	13.0	25.6	25.1	26.0
72.5°	2.6	2.6	2.6	2.6	3.5	10.8	20.4	20.4	20.8
75°	2.2	2.2	2.2	2.2	3.0	8.2	16.5	16.5	16.9
77.5°	1.7	1.7	1.7	1.7	2.2	6.5	12.6	12.1	12.1
80°	0.9	1.3	1.3	1.3	1.7	4.8	9.1	8.2	8.2
82.5°	0.4	0.9	0.9	0.9	1.7	3.5	6.1	5.6	5.6
85°	0.4	0.4	0.4	1.3	1.7	2.6	3.9	3.9	3.9
87.5°	0.0	0.4	0.9	1.7	2.2	2.2	2.6	2.2	2.2
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)