

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: P799944

Luminaire Tested: **LD6C60D010 EU6609050 6LBMDDWWH**

Issue Date: 4/12/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P799944  
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: LD6C60D010 EU6609050 6LBMDDWWH  
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH WH FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

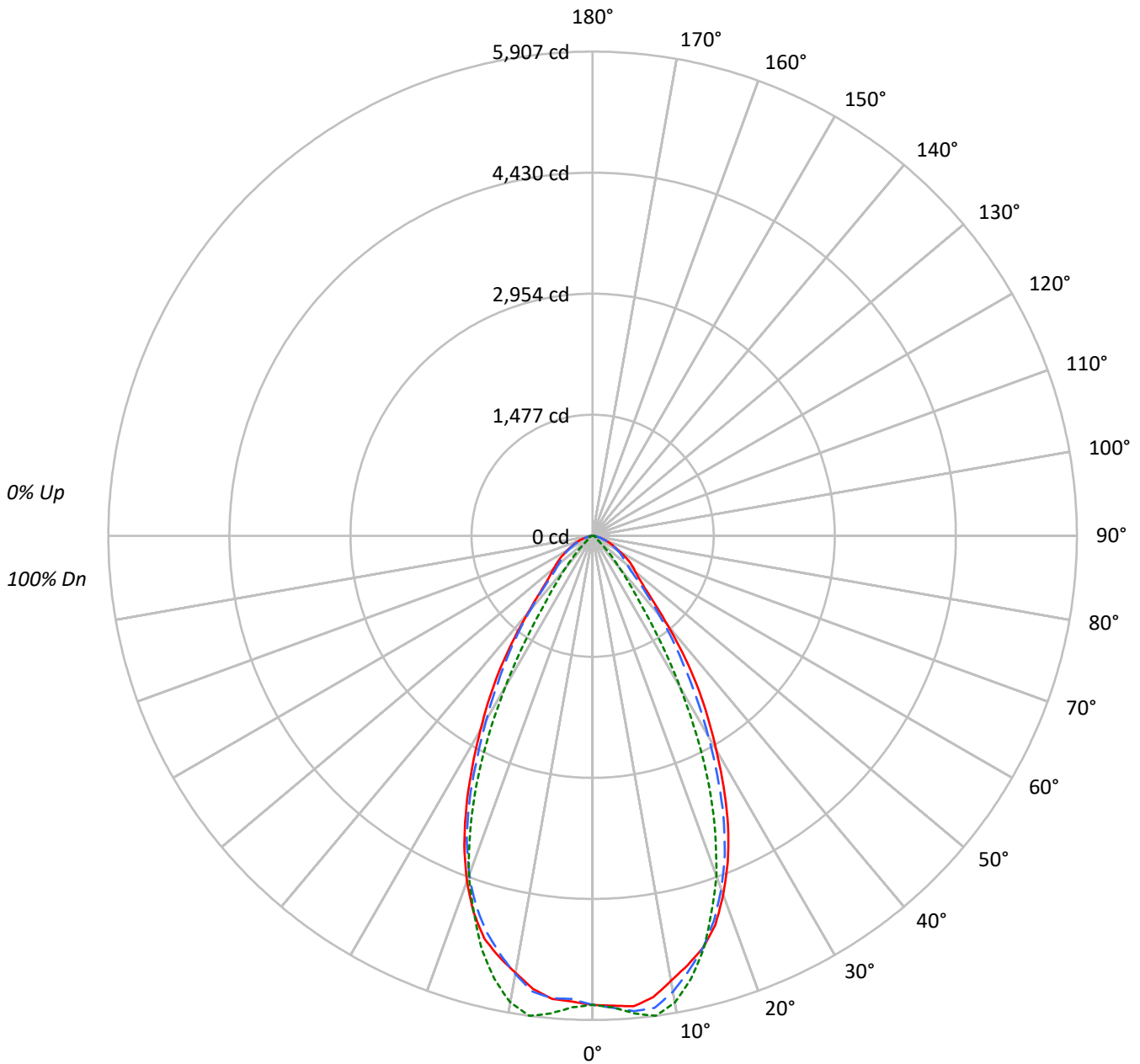
Lumens per Lamp: N/A  
Luminaire Lumens: 5827.0 lumens  
Efficiency: N/A  
Efficacy: 80.9 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P799944

CATALOG NUMBER: LD6C60D010 EU6609050 6LBMDDWWH

### Luminous Intensity Polar Plot





TEST NUMBER: P799944

CATALOG NUMBER: LD6C60D010 EU6609050 6LBMDDWWH

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									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																			
1	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91																			
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70																			
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64																			
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59																			
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55																			
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51																			
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48																			
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45																			

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

	0°	90°	180°
0°	313774	313774	313774
5°	317053	321857	312084
10°	306780	321854	301436
15°	295263	296421	288986
20°	271746	257482	261554
25°	236500	203044	220301
30°	190738	134901	173046
35°	147880	69553	129951
40°	101462	36046	87507
45°	69519	18056	61394
50°	57849	7701	52638
55°	52032	6681	47023
60°	41181	6381	39262
65°	33985	5669	33609
70°	27537	5129	27537
75°	20355	5549	21583
80°	11933	4609	12880
85°	9183	5472	9183



TEST NUMBER: P799944

CATALOG NUMBER: LD6C60D010 EU6609050 6LBMDDWWH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	544.8	9.4
10°-20°	1430.0	24.5
20°-30°	1632.3	28.0
30°-40°	1082.5	18.6
40°-50°	522.1	9.0
50°-60°	321.2	5.5
60°-70°	194.3	3.3
70°-80°	81.8	1.4
80°-90°	18.0	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°	3607.1	61.9
0°-40°	4689.6	80.5
0°-60°	5532.9	95.0
0°-90°	5827.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5827.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	5724	5724	5724	5724	5724	
5°	5762	5823	5849	5662	5671	541
15°	5202	5202	5223	5002	5092	1450
25°	3910	3779	3357	3552	3642	1773
35°	2210	1948	1039	1817	1942	1367
45°	897	786	233	734	792	731
55°	544	442	70	442	492	479
65°	262	250	44	236	259	263
75°	96	96	26	90	102	103
85°	15	20	9	15	15	19
90°	0	0	0	0	0	



TEST NUMBER: P799944

CATALOG NUMBER: LD6C60D010 EU6609050 6LBMDDWWH

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	5723.7	5723.7	5723.7	5723.7	5723.7	5723.7	5723.7	5723.7	5723.7
2.5°	5738.2	5746.9	5764.4	5767.3	5758.6	5703.3	5656.7	5674.2	5688.7
5°	5761.5	5779.0	5822.6	5863.4	5848.8	5755.7	5662.5	5659.6	5671.2
7.5°	5677.1	5717.8	5808.1	5910.0	5907.1	5746.9	5610.1	5575.2	5575.2
10°	5511.1	5549.0	5648.0	5784.8	5781.9	5581.0	5429.6	5412.1	5415.1
12.5°	5362.6	5380.1	5429.6	5537.3	5537.3	5339.4	5222.9	5240.4	5263.7
15°	5202.5	5214.2	5202.5	5237.5	5222.9	5059.9	5001.6	5057.0	5091.9
17.5°	4975.4	4981.3	4920.1	4873.5	4818.2	4716.3	4730.9	4812.4	4821.1
20°	4658.1	4696.0	4585.3	4466.0	4413.6	4317.5	4399.0	4489.3	4483.4
22.5°	4308.8	4352.4	4209.8	4011.8	3904.1	3866.2	4011.8	4093.3	4090.4
25°	3909.9	3941.9	3778.9	3502.3	3356.8	3350.9	3551.8	3636.2	3642.1
27.5°	3461.6	3473.2	3289.8	2928.8	2748.3	2792.0	3045.2	3161.7	3176.2
30°	3013.2	3007.4	2818.2	2369.8	2131.1	2250.4	2591.1	2719.2	2733.7
32.5°	2602.7	2585.3	2369.8	1834.1	1548.8	1726.4	2174.8	2308.7	2332.0
35°	2209.7	2180.6	1947.7	1356.7	1039.3	1304.3	1816.7	1933.1	1941.8
37.5°	1799.2	1784.6	1601.2	1016.1	724.9	989.8	1481.9	1566.3	1557.6
40°	1417.8	1417.8	1266.4	754.0	503.7	736.6	1173.3	1249.0	1222.8
42.5°	1112.1	1126.7	998.6	556.1	358.1	547.3	928.7	998.6	969.5
45°	896.7	896.7	786.1	413.4	232.9	407.6	733.7	797.7	791.9
47.5°	759.9	748.2	637.6	302.8	128.1	305.7	617.2	695.8	692.9
50°	678.3	660.9	547.3	238.7	90.3	253.3	541.5	614.3	617.2
52.5°	614.3	588.1	492.0	212.5	78.6	221.3	492.0	550.2	550.2
55°	544.4	529.9	442.5	189.2	69.9	198.0	442.5	494.9	492.0
57.5°	460.0	457.1	395.9	171.8	64.0	174.7	395.9	428.0	416.3
60°	375.6	387.2	343.5	154.3	58.2	157.2	337.7	363.9	358.1
62.5°	314.4	329.0	299.9	136.8	49.5	139.7	285.3	311.5	305.7
65°	262.0	273.7	250.4	116.5	43.7	116.5	235.8	259.1	259.1
67.5°	215.4	224.2	206.7	96.1	37.8	96.1	192.1	212.5	215.4
70°	171.8	177.6	163.0	75.7	32.0	78.6	151.4	171.8	171.8
72.5°	133.9	136.8	128.1	61.1	29.1	61.1	116.5	133.9	133.9
75°	96.1	101.9	96.1	46.6	26.2	46.6	90.3	99.0	101.9
77.5°	55.3	69.9	69.9	37.8	20.4	34.9	64.0	67.0	67.0
80°	37.8	43.7	49.5	26.2	14.6	26.2	40.8	43.7	40.8
82.5°	26.2	29.1	29.1	17.5	11.6	17.5	26.2	29.1	26.2
85°	14.6	20.4	20.4	14.6	8.7	11.6	14.6	17.5	14.6
87.5°	8.7	11.6	14.6	11.6	8.7	8.7	8.7	8.7	5.8
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)