

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: P799945

Luminaire Tested: **LD6C60D010 EU6609050 6LBMDDWWMH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799945
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 6LBMDDWWMH
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

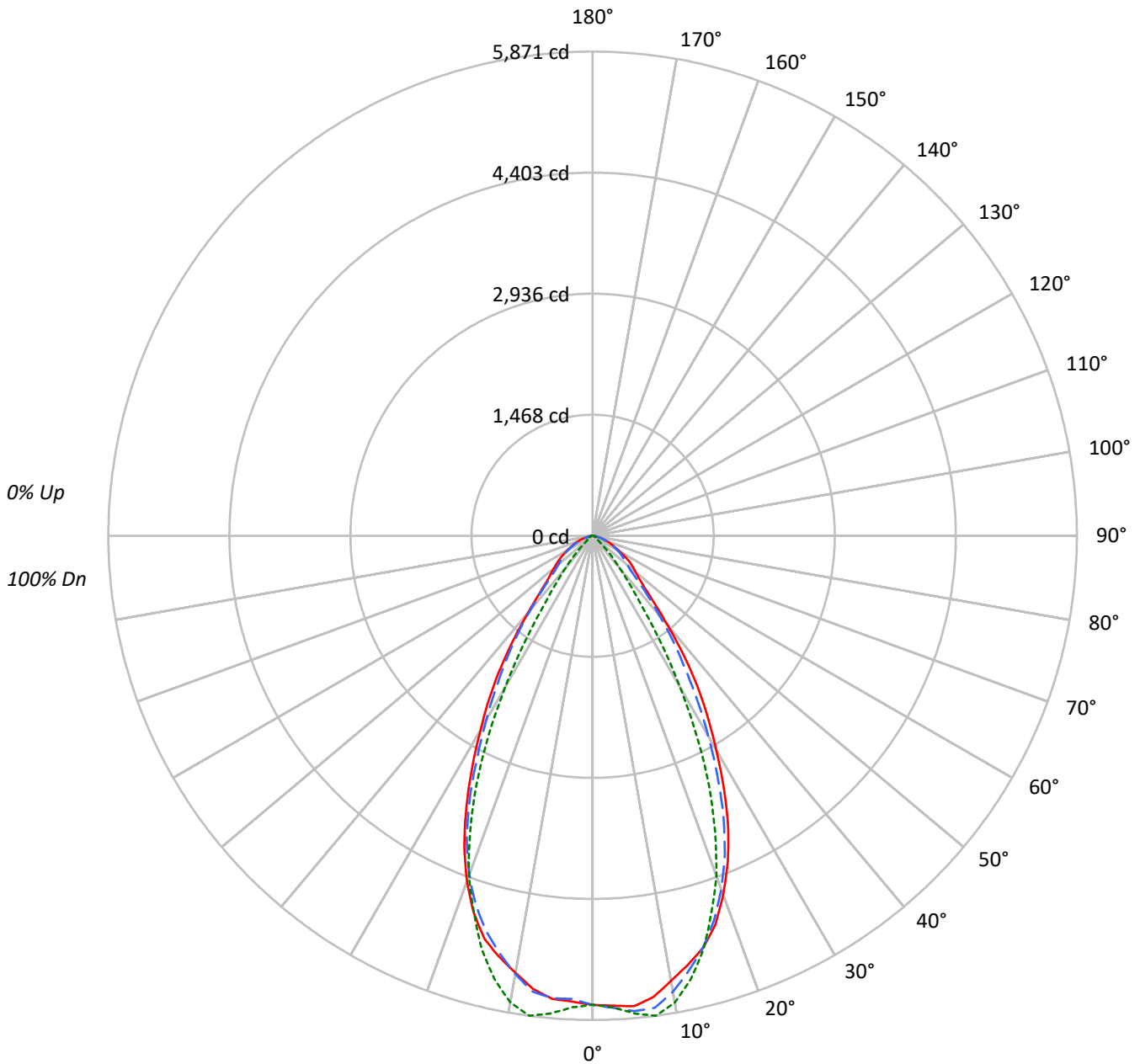
Lumens per Lamp: N/A
Luminaire Lumens: 5791.0 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 72
Input Voltage (V): NR
Input Current (A_{in}): 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: P799945

CATALOG NUMBER: LD6C60D010 EU6609050 6LBMDDWWMH

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								
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°	311834	311834	311834
5°	315094	319870	310158
10°	304887	319867	299571
15°	293441	294587	287198
20°	270066	255890	259938
25°	235036	201786	218940
30°	189561	134065	171976
35°	146963	69125	129155
40°	100839	35817	86963
45°	69085	17948	61014
50°	57491	7650	52314
55°	51716	6633	46737
60°	40918	6348	39021
65°	33778	5630	33402
70°	27360	5097	27360
75°	20228	5507	21456
80°	11870	4578	12786
85°	9120	5472	9120



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	541.5	9.4
10°-20°	1421.2	24.5
20°-30°	1622.2	28.0
30°-40°	1075.8	18.6
40°-50°	518.9	9.0
50°-60°	319.2	5.5
60°-70°	193.1	3.3
70°-80°	81.3	1.4
80°-90°	17.9	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°	3584.8	61.9
0°-40°	4660.6	80.5
0°-60°	5498.7	95.0
0°-90°	5791.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5791.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5688	5688	5688	5688	5688	
5°	5726	5787	5813	5628	5636	538
15°	5170	5170	5191	4971	5060	1441
25°	3886	3756	3336	3530	3620	1762
35°	2196	1936	1033	1805	1930	1358
45°	891	781	232	729	787	727
55°	541	440	69	440	489	476
65°	260	249	43	234	258	262
75°	96	96	26	90	101	102
85°	14	20	9	14	14	18
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°	5688.3	5688.3	5688.3	5688.3	5688.3	5688.3	5688.3	5688.3	5688.3
2.5°	5702.8	5711.4	5728.8	5731.7	5723.0	5668.0	5621.7	5639.1	5653.6
5°	5725.9	5743.3	5786.7	5827.2	5812.7	5720.1	5627.5	5624.6	5636.2
7.5°	5642.0	5682.5	5772.2	5873.5	5870.6	5711.4	5575.5	5540.7	5540.7
10°	5477.1	5514.7	5613.1	5749.1	5746.2	5546.5	5396.1	5378.7	5381.6
12.5°	5329.5	5346.9	5396.1	5503.1	5503.1	5306.4	5190.6	5208.0	5231.1
15°	5170.4	5182.0	5170.4	5205.1	5190.6	5028.6	4970.7	5025.7	5060.4
17.5°	4944.7	4950.5	4889.7	4843.4	4788.5	4687.2	4701.7	4782.7	4791.4
20°	4629.3	4666.9	4557.0	4438.4	4386.3	4290.8	4371.8	4461.5	4455.7
22.5°	4282.1	4325.5	4183.8	3987.0	3880.0	3842.3	3987.0	4068.0	4065.1
25°	3885.7	3917.6	3755.5	3480.7	3336.0	3330.2	3529.9	3613.8	3619.6
27.5°	3440.2	3451.7	3269.5	2910.7	2731.3	2774.7	3026.4	3142.2	3156.6
30°	2994.6	2988.8	2800.7	2355.2	2117.9	2236.5	2575.1	2702.4	2716.8
32.5°	2586.6	2569.3	2355.2	1822.8	1539.3	1715.7	2161.3	2294.4	2317.6
35°	2196.0	2167.1	1935.6	1348.3	1032.9	1296.2	1805.4	1921.2	1929.9
37.5°	1788.1	1773.6	1591.3	1009.8	720.4	983.7	1472.7	1556.6	1547.9
40°	1409.1	1409.1	1258.6	749.4	500.5	732.0	1166.0	1241.2	1215.2
42.5°	1105.3	1119.7	992.4	552.6	355.9	543.9	923.0	992.4	963.5
45°	891.1	891.1	781.2	410.9	231.5	405.1	729.1	792.8	787.0
47.5°	755.2	743.6	633.6	300.9	127.3	303.8	613.4	691.5	688.6
50°	674.1	656.8	543.9	237.3	89.7	251.7	538.2	610.5	613.4
52.5°	610.5	584.5	489.0	211.2	78.1	219.9	489.0	546.8	546.8
55°	541.1	526.6	439.8	188.1	69.4	196.7	439.8	491.9	489.0
57.5°	457.1	454.3	393.5	170.7	63.7	173.6	393.5	425.3	413.7
60°	373.2	384.8	341.4	153.3	57.9	156.2	335.6	361.7	355.9
62.5°	312.5	326.9	298.0	136.0	49.2	138.9	283.5	309.6	303.8
65°	260.4	272.0	248.8	115.7	43.4	115.7	234.4	257.5	257.5
67.5°	214.1	222.8	205.4	95.5	37.6	95.5	191.0	211.2	214.1
70°	170.7	176.5	162.0	75.2	31.8	78.1	150.5	170.7	170.7
72.5°	133.1	136.0	127.3	60.8	28.9	60.8	115.7	133.1	133.1
75°	95.5	101.3	95.5	46.3	26.0	46.3	89.7	98.4	101.3
77.5°	55.0	69.4	69.4	37.6	20.3	34.7	63.7	66.5	66.5
80°	37.6	43.4	49.2	26.0	14.5	26.0	40.5	43.4	40.5
82.5°	26.0	28.9	28.9	17.4	11.6	17.4	26.0	28.9	26.0
85°	14.5	20.3	20.3	14.5	8.7	11.6	14.5	17.4	14.5
87.5°	8.7	11.6	14.5	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)