

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: P799901

Luminaire Tested: **LD6C60D010 EU6609027 6LBMDSWMW**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799901
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 EU6609027 6LBMDSWMW
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDSW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

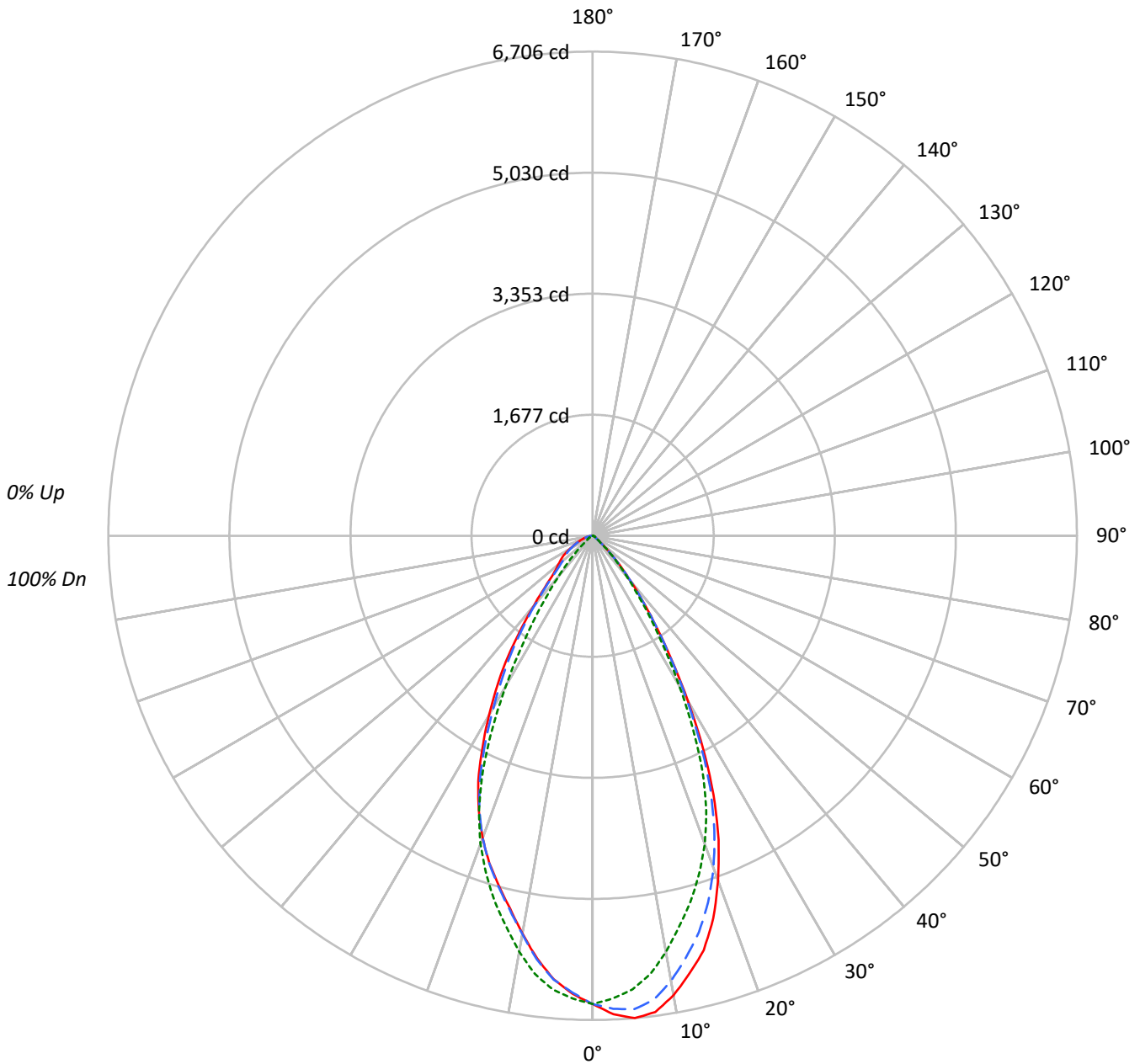
Lumens per Lamp: N/A
Luminaire Lumens: 5583.0 lumens
Efficiency: N/A
Efficacy: 77.5 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 72
Input Voltage (V): NR
Input Current (A_{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: P799901

CATALOG NUMBER: LD6C60D010 EU6609027 6LBMDSWMW

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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92								
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85								
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78								
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73								
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67								
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63								
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59								
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55								
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52								
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	355487	355487	355487
5°	369006	347143	339296
10°	359568	325623	311295
15°	337227	297533	284672
20°	296044	264874	259816
25°	239433	217609	226574
30°	166456	151587	181332
35°	102593	92862	136858
40°	58059	52048	90892
45°	28197	26894	62030
50°	10737	10737	52723
55°	5878	6948	48658
60°	4298	5526	39876
65°	3632	4722	32662
70°	3142	4039	26896
75°	2965	4151	23108
80°	1768	3536	16795
85°	1761	7045	15851



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	593.6	10.6
10°-20°	1492.0	26.7
20°-30°	1679.6	30.1
30°-40°	1040.1	18.6
40°-50°	414.2	7.4
50°-60°	188.6	3.4
60°-70°	108.4	1.9
70°-80°	51.5	0.9
80°-90°	15.0	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°	3765.3	67.4
0°-40°	4805.4	86.1
0°-60°	5408.1	96.9
0°-90°	5583.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5583.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6485	6485	6485	6485	6485	
5°	6706	6582	6308	6171	6166	632
15°	5942	5684	5242	5030	5016	1644
25°	3958	3852	3598	3687	3746	1779
35°	1533	1525	1388	1933	2045	985
45°	364	364	347	755	800	308
55°	62	59	73	448	509	61
65°	28	25	36	249	252	27
75°	14	14	20	106	109	14
85°	3	3	11	25	25	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°	6484.6	6484.6	6484.6	6484.6	6484.6	6484.6	6484.6	6484.6	6484.6
2.5°	6632.9	6571.3	6557.3	6504.2	6414.6	6364.3	6333.5	6311.1	6350.3
5°	6705.6	6638.4	6582.5	6473.4	6308.3	6216.0	6171.3	6134.9	6165.7
7.5°	6652.4	6557.3	6481.8	6330.7	6120.9	5978.2	5916.7	5874.7	5902.7
10°	6459.4	6344.7	6258.0	6078.9	5849.6	5678.9	5603.4	5564.2	5592.2
12.5°	6207.6	6112.5	5981.0	5785.2	5539.0	5360.0	5304.0	5273.3	5284.5
15°	5941.9	5830.0	5684.5	5488.7	5242.5	5063.5	5029.9	5010.3	5015.9
17.5°	5555.8	5446.7	5320.8	5130.6	4904.0	4758.5	4758.5	4744.5	4752.9
20°	5074.6	5015.9	4892.8	4733.4	4540.3	4408.8	4450.8	4436.8	4453.6
22.5°	4554.3	4509.6	4403.3	4271.8	4109.5	4006.0	4098.3	4095.5	4117.9
25°	3958.4	3924.9	3852.1	3740.2	3597.6	3533.2	3687.1	3687.1	3745.8
27.5°	3301.0	3267.5	3217.1	3122.0	3004.5	2984.9	3211.5	3239.5	3303.8
30°	2629.6	2607.3	2579.3	2492.6	2394.7	2431.0	2744.3	2791.9	2864.6
32.5°	2031.0	2017.0	2008.6	1930.3	1843.5	1963.8	2321.9	2383.5	2456.2
35°	1533.0	1502.3	1524.6	1465.9	1387.6	1538.6	1933.1	1986.2	2045.0
37.5°	1130.2	1107.8	1127.4	1085.4	1015.5	1180.5	1552.6	1586.2	1625.3
40°	811.3	791.7	808.5	783.3	727.3	881.2	1216.9	1253.3	1270.1
42.5°	576.3	542.7	559.5	539.9	511.9	663.0	956.7	990.3	995.9
45°	363.7	352.5	363.7	352.5	346.9	492.4	755.3	786.1	800.1
47.5°	221.0	207.0	207.0	201.4	207.0	363.7	623.8	668.6	691.0
50°	125.9	120.3	117.5	114.7	125.9	285.3	539.9	590.3	618.2
52.5°	83.9	81.1	81.1	78.3	92.3	240.6	486.8	531.5	559.5
55°	61.5	58.7	58.7	58.7	72.7	207.0	447.6	484.0	509.1
57.5°	47.6	47.6	47.6	44.8	61.5	176.2	400.0	419.6	439.2
60°	39.2	36.4	36.4	36.4	50.4	151.1	344.1	352.5	363.7
62.5°	30.8	30.8	30.8	30.8	42.0	134.3	296.5	296.5	302.1
65°	28.0	25.2	25.2	25.2	36.4	117.5	249.0	246.2	251.8
67.5°	22.4	22.4	22.4	22.4	30.8	100.7	204.2	201.4	207.0
70°	19.6	19.6	19.6	19.6	25.2	83.9	165.1	162.3	167.8
72.5°	16.8	16.8	16.8	16.8	22.4	69.9	131.5	131.5	134.3
75°	14.0	14.0	14.0	14.0	19.6	53.2	106.3	106.3	109.1
77.5°	11.2	11.2	11.2	11.2	14.0	42.0	81.1	78.3	78.3
80°	5.6	8.4	8.4	8.4	11.2	30.8	58.7	53.2	53.2
82.5°	2.8	5.6	5.6	5.6	11.2	22.4	39.2	36.4	36.4
85°	2.8	2.8	2.8	8.4	11.2	16.8	25.2	25.2	25.2
87.5°	0.0	2.8	5.6	11.2	14.0	14.0	16.8	14.0	14.0
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)