

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: P799943

Luminaire Tested: **LD6C60D010 EU6609050 6LBMDDWMW**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799943
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 6LBMDDWMW
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

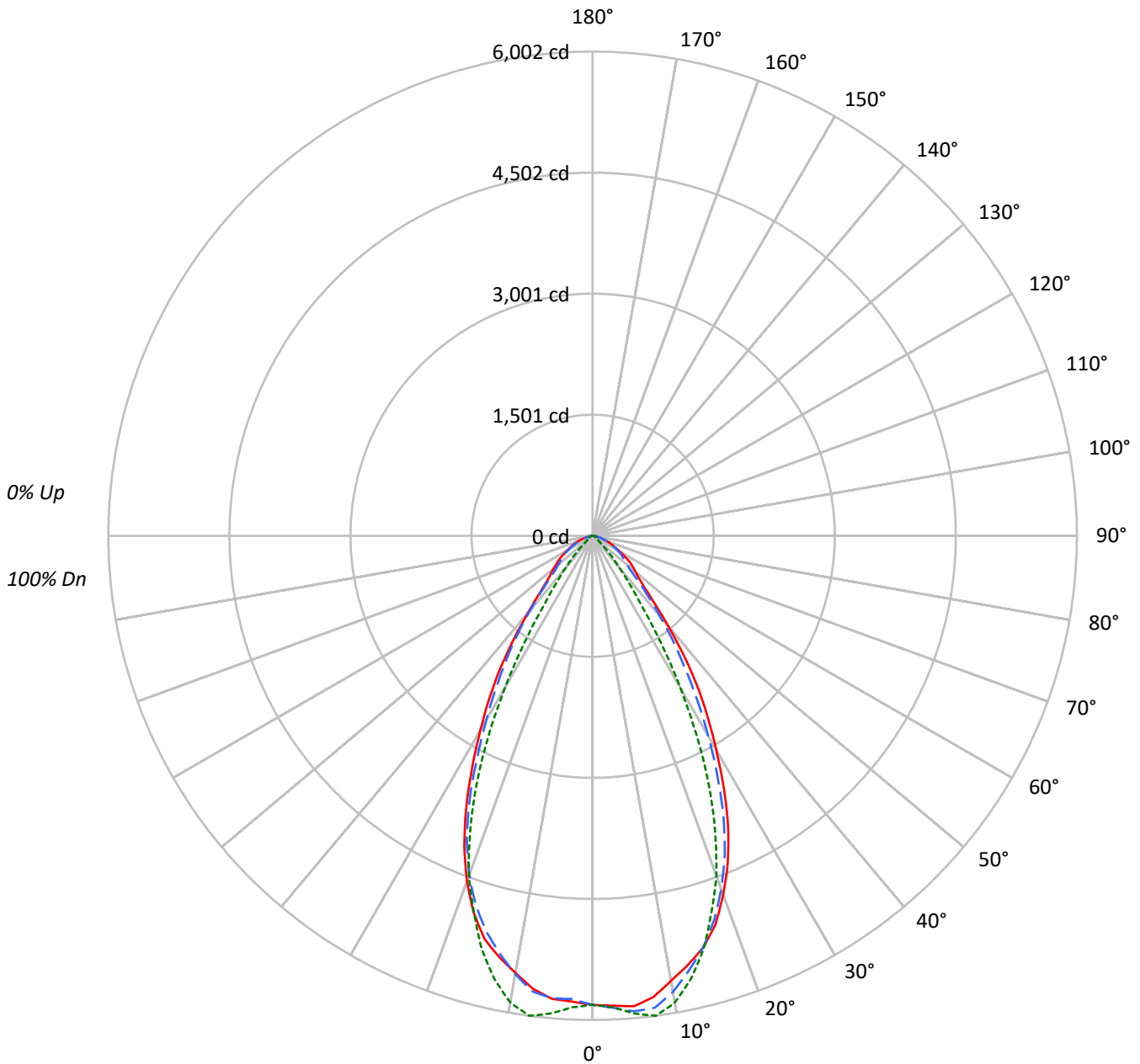
Lumens per Lamp: N/A
Luminaire Lumens: 5921.0 lumens
Efficiency: N/A
Efficacy: 82.2 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P799943

CATALOG NUMBER: LD6C60D010 EU6609050 6LBMDDWMW

Luminous Intensity Polar Plot





TEST NUMBER: P799943

CATALOG NUMBER: LD6C60D010 EU6609050 6LBMDDWMW

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°	318834	318834	318834
5°	322165	327052	317119
10°	311729	327048	306296
15°	300030	301205	293645
20°	276133	261636	265778
25°	240316	206316	223852
30°	193815	137078	175837
35°	150262	70677	132053
40°	103100	36626	88917
45°	70643	18351	62386
50°	58787	7821	53491
55°	52873	6786	47778
60°	41839	6491	39898
65°	34530	5759	34154
70°	27969	5209	27969
75°	20673	5634	21922
80°	12154	4672	13070
85°	9309	5598	9309



TEST NUMBER: P799943

CATALOG NUMBER: LD6C60D010 EU6609050 6LBMDDWMW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	553.6	9.4
10°-20°	1453.1	24.5
20°-30°	1658.6	28.0
30°-40°	1099.9	18.6
40°-50°	530.5	9.0
50°-60°	326.4	5.5
60°-70°	197.5	3.3
70°-80°	83.1	1.4
80°-90°	18.3	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°	3665.3	61.9
0°-40°	4765.3	80.5
0°-60°	5622.1	95.0
0°-90°	5921.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5921.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5816	5816	5816	5816	5816	
5°	5854	5917	5943	5754	5763	550
15°	5286	5286	5307	5082	5174	1473
25°	3973	3840	3411	3609	3701	1802
35°	2245	1979	1056	1846	1973	1389
45°	911	799	237	746	805	743
55°	553	450	71	450	500	486
65°	266	254	44	240	263	267
75°	98	98	27	92	104	104
85°	15	21	9	15	15	19
90°	0	0	0	0	0	



TEST NUMBER: P799943

CATALOG NUMBER: LD6C60D010 EU6609050 6LBMDDWMW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	5816.0	5816.0	5816.0	5816.0	5816.0	5816.0	5816.0	5816.0	5816.0
2.5°	5830.8	5839.7	5857.4	5860.4	5851.5	5795.3	5747.9	5765.7	5780.5
5°	5854.4	5872.2	5916.6	5958.0	5943.2	5848.5	5753.9	5750.9	5762.7
7.5°	5768.7	5810.1	5901.8	6005.3	6002.4	5839.7	5700.6	5665.1	5665.1
10°	5600.0	5638.5	5739.1	5878.1	5875.2	5671.0	5517.2	5499.4	5502.4
12.5°	5449.2	5466.9	5517.2	5626.7	5626.7	5425.5	5307.2	5324.9	5348.6
15°	5286.5	5298.3	5286.5	5322.0	5307.2	5141.5	5082.3	5138.5	5174.0
17.5°	5055.7	5061.6	4999.5	4952.2	4896.0	4792.4	4807.2	4890.0	4898.9
20°	4733.3	4771.7	4659.3	4538.0	4484.8	4387.1	4470.0	4561.7	4555.8
22.5°	4378.3	4422.6	4277.7	4076.5	3967.1	3928.6	4076.5	4159.3	4156.4
25°	3973.0	4005.5	3839.9	3558.8	3410.9	3405.0	3609.1	3694.9	3700.8
27.5°	3517.4	3529.2	3342.9	2976.0	2792.6	2837.0	3094.4	3212.7	3227.5
30°	3061.8	3055.9	2863.6	2408.0	2165.5	2286.8	2632.9	2763.0	2777.8
32.5°	2644.7	2627.0	2408.0	1863.7	1573.8	1754.3	2209.8	2345.9	2369.6
35°	2245.3	2215.8	1979.1	1378.6	1056.1	1325.3	1846.0	1964.3	1973.2
37.5°	1828.2	1813.4	1627.1	1032.4	736.6	1005.8	1505.8	1591.6	1582.7
40°	1440.7	1440.7	1286.9	766.2	511.8	748.4	1192.2	1269.1	1242.5
42.5°	1130.1	1144.9	1014.7	565.0	363.9	556.2	943.7	1014.7	985.1
45°	911.2	911.2	798.7	420.1	236.7	414.2	745.5	810.6	804.7
47.5°	772.1	760.3	647.9	307.7	130.2	310.6	627.2	707.0	704.1
50°	689.3	671.5	556.2	242.6	91.7	257.4	550.2	624.2	627.2
52.5°	624.2	597.6	499.9	216.0	79.9	224.8	499.9	559.1	559.1
55°	553.2	538.4	449.7	192.3	71.0	201.2	449.7	502.9	499.9
57.5°	467.4	464.5	402.3	174.5	65.1	177.5	402.3	434.9	423.0
60°	381.6	393.5	349.1	156.8	59.2	159.7	343.2	369.8	363.9
62.5°	319.5	334.3	304.7	139.0	50.3	142.0	289.9	316.5	310.6
65°	266.2	278.1	254.4	118.3	44.4	118.3	239.6	263.3	263.3
67.5°	218.9	227.8	210.0	97.6	38.5	97.6	195.2	216.0	218.9
70°	174.5	180.5	165.7	76.9	32.5	79.9	153.8	174.5	174.5
72.5°	136.1	139.0	130.2	62.1	29.6	62.1	118.3	136.1	136.1
75°	97.6	103.5	97.6	47.3	26.6	47.3	91.7	100.6	103.5
77.5°	56.2	71.0	71.0	38.5	20.7	35.5	65.1	68.0	68.0
80°	38.5	44.4	50.3	26.6	14.8	26.6	41.4	44.4	41.4
82.5°	26.6	29.6	29.6	17.7	11.8	17.7	26.6	29.6	26.6
85°	14.8	20.7	20.7	14.8	8.9	11.8	14.8	17.7	14.8
87.5°	8.9	11.8	14.8	11.8	8.9	8.9	8.9	8.9	5.9
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)