

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: P799909

Luminaire Tested: **LD6C60D010 EU6609030 6LBMDDWWMH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799909
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 EU6609030 6LBMDDWWMH
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

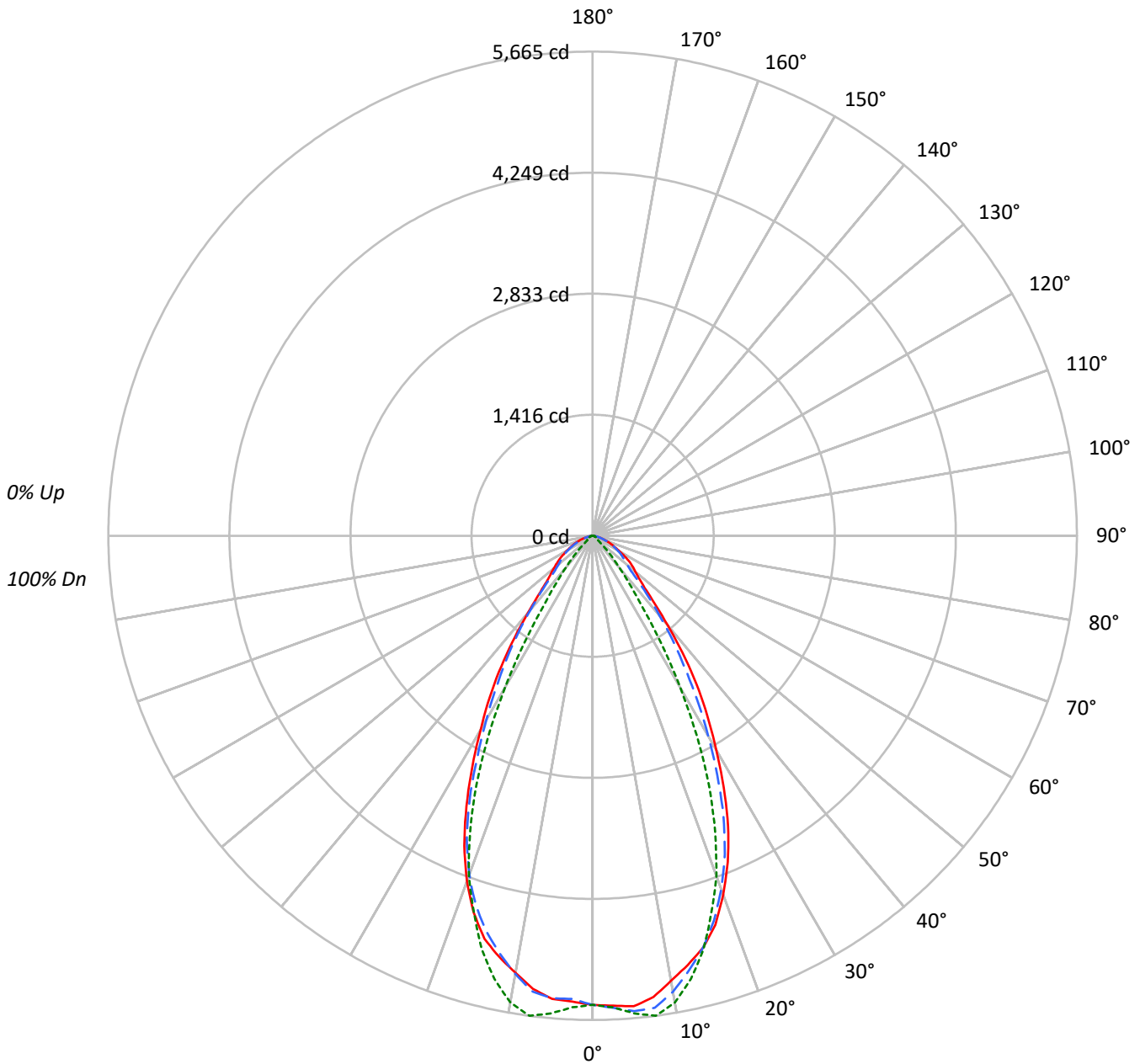
Lumens per Lamp: N/A
Luminaire Lumens: 5588.0 lumens
Efficiency: N/A
Efficacy: 77.6 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot





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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°	300902	300902	300902
5°	304049	308655	299284
10°	294200	308650	289067
15°	283151	284264	277130
20°	260603	246917	250826
25°	226797	194715	211264
30°	182914	129368	165950
35°	141817	66702	124624
40°	97304	34565	83914
45°	66666	17320	58874
50°	55478	7377	50480
55°	49900	6404	45093
60°	39492	6118	37650
65°	32598	5435	32234
70°	26399	4921	26399
75°	19508	5316	20694
80°	11460	4420	12344
85°	8806	5284	8806



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	522.5	9.4
10°-20°	1371.4	24.5
20°-30°	1565.3	28.0
30°-40°	1038.1	18.6
40°-50°	500.7	9.0
50°-60°	308.0	5.5
60°-70°	186.4	3.3
70°-80°	78.4	1.4
80°-90°	17.3	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°	3459.2	61.9
0°-40°	4497.2	80.5
0°-60°	5305.9	95.0
0°-90°	5588.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5588.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5489	5489	5489	5489	5489	
5°	5525	5584	5609	5430	5439	519
15°	4989	4989	5009	4796	4883	1390
25°	3750	3624	3219	3406	3493	1700
35°	2119	1868	997	1742	1862	1311
45°	860	754	223	704	759	701
55°	522	424	67	424	472	459
65°	251	240	42	226	248	252
75°	92	92	25	86	98	98
85°	14	20	8	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°	5488.9	5488.9	5488.9	5488.9	5488.9	5488.9	5488.9	5488.9	5488.9
2.5°	5502.9	5511.2	5528.0	5530.8	5522.4	5469.3	5424.7	5441.4	5455.4
5°	5525.2	5541.9	5583.8	5622.9	5608.9	5519.6	5430.3	5427.5	5438.6
7.5°	5444.2	5483.3	5569.9	5667.6	5664.8	5511.2	5380.0	5346.5	5346.5
10°	5285.1	5321.4	5416.3	5547.5	5544.7	5352.1	5206.9	5190.2	5192.9
12.5°	5142.7	5159.4	5206.9	5310.2	5310.2	5120.4	5008.7	5025.4	5047.8
15°	4989.1	5000.3	4989.1	5022.6	5008.7	4852.3	4796.5	4849.5	4883.0
17.5°	4771.4	4777.0	4718.3	4673.7	4620.6	4522.9	4536.9	4615.0	4623.4
20°	4467.1	4503.3	4397.3	4282.8	4232.5	4140.4	4218.6	4305.1	4299.5
22.5°	4132.0	4173.9	4037.1	3847.2	3743.9	3707.7	3847.2	3925.4	3922.6
25°	3749.5	3780.2	3623.9	3358.7	3219.1	3213.5	3406.1	3487.1	3492.7
27.5°	3319.6	3330.7	3154.9	2808.7	2635.6	2677.4	2920.3	3032.0	3046.0
30°	2889.6	2884.0	2702.6	2272.6	2043.7	2158.1	2484.8	2607.6	2621.6
32.5°	2496.0	2479.2	2272.6	1758.9	1485.3	1655.6	2085.6	2214.0	2236.3
35°	2119.1	2091.1	1867.8	1301.0	996.7	1250.8	1742.2	1853.8	1862.2
37.5°	1725.4	1711.4	1535.5	974.4	695.2	949.2	1421.1	1502.0	1493.7
40°	1359.7	1359.7	1214.5	723.1	483.0	706.4	1125.1	1197.7	1172.6
42.5°	1066.5	1080.5	957.6	533.3	343.4	524.9	890.6	957.6	929.7
45°	859.9	859.9	753.8	396.5	223.4	390.9	703.6	765.0	759.4
47.5°	728.7	717.5	611.4	290.4	122.8	293.2	591.9	667.3	664.5
50°	650.5	633.8	524.9	228.9	86.5	242.9	519.3	589.1	591.9
52.5°	589.1	564.0	471.8	203.8	75.4	212.2	471.8	527.7	527.7
55°	522.1	508.1	424.4	181.5	67.0	189.8	424.4	474.6	471.8
57.5°	441.1	438.3	379.7	164.7	61.4	167.5	379.7	410.4	399.2
60°	360.2	371.3	329.4	148.0	55.8	150.8	323.9	349.0	343.4
62.5°	301.5	315.5	287.6	131.2	47.5	134.0	273.6	298.7	293.2
65°	251.3	262.4	240.1	111.7	41.9	111.7	226.1	248.5	248.5
67.5°	206.6	215.0	198.2	92.1	36.3	92.1	184.3	203.8	206.6
70°	164.7	170.3	156.3	72.6	30.7	75.4	145.2	164.7	164.7
72.5°	128.4	131.2	122.8	58.6	27.9	58.6	111.7	128.4	128.4
75°	92.1	97.7	92.1	44.7	25.1	44.7	86.5	94.9	97.7
77.5°	53.0	67.0	67.0	36.3	19.5	33.5	61.4	64.2	64.2
80°	36.3	41.9	47.5	25.1	14.0	25.1	39.1	41.9	39.1
82.5°	25.1	27.9	27.9	16.8	11.2	16.8	25.1	27.9	25.1
85°	14.0	19.5	19.5	14.0	8.4	11.2	14.0	16.8	14.0
87.5°	8.4	11.2	14.0	11.2	8.4	8.4	8.4	8.4	5.6
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)