

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: P799908

Luminaire Tested: **LD6C60D010 EU6609030 6LBMDDWWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799908
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 6LBMDDWWH
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

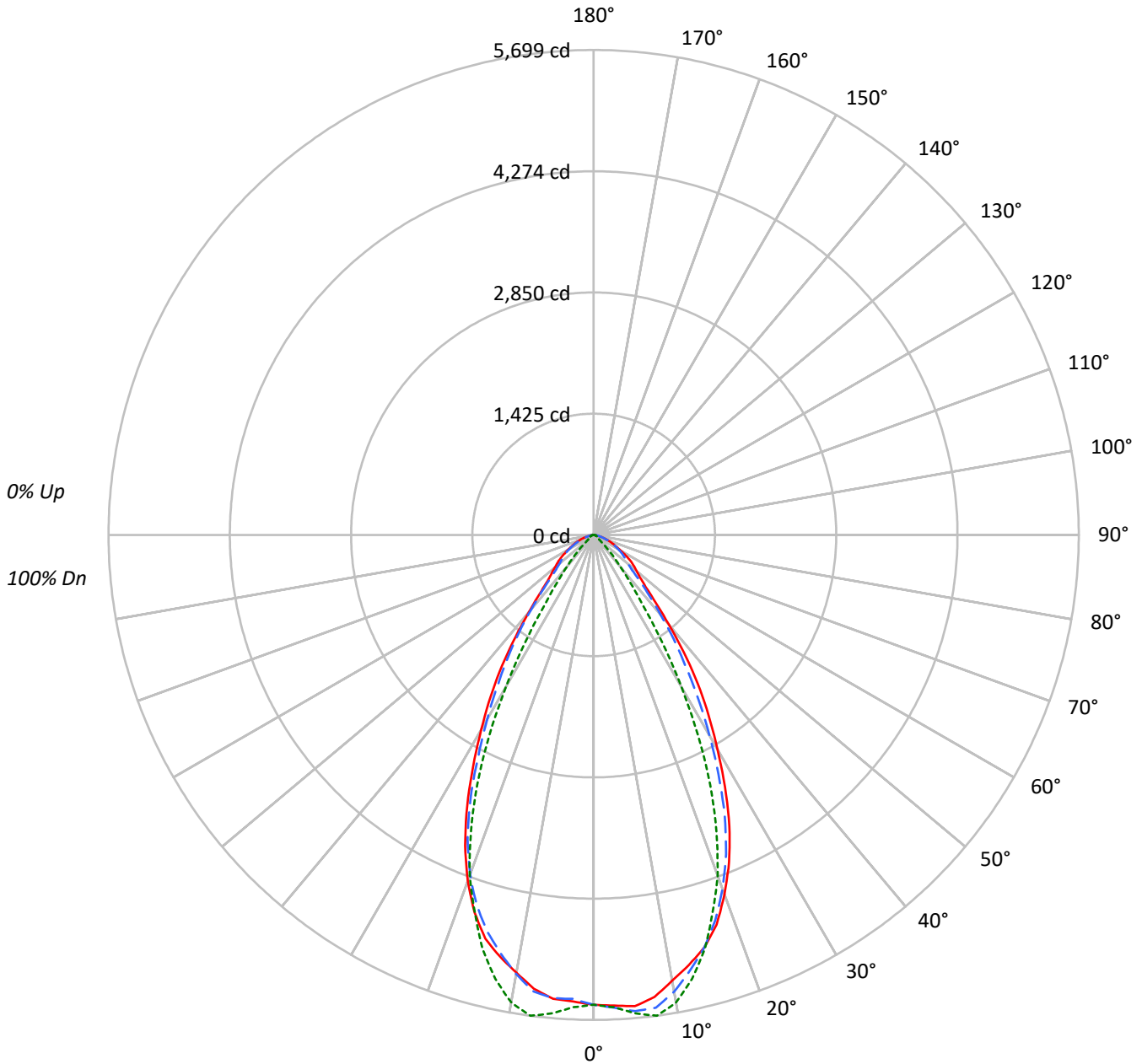
Lumens per Lamp: N/A
Luminaire Lumens: 5622.0 lumens
Efficiency: N/A
Efficacy: 78.1 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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					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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91					91			
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83					83			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76					76			
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70					70			
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64					64			
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59					59			
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55					55			
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51					51			
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48					48			
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45					45			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	302733	302733	302733
5°	305898	310537	301105
10°	295987	310532	290826
15°	284877	285995	278821
20°	262184	248422	252354
25°	228176	195900	212547
30°	184028	130153	166962
35°	142680	67110	125380
40°	97891	34772	84422
45°	67069	17420	59231
50°	55819	7428	50787
55°	50206	6442	45370
60°	39723	6162	37881
65°	32792	5461	32429
70°	26559	4953	26559
75°	19635	5359	20821
80°	11523	4420	12407
85°	8806	5284	8806



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	525.7	9.4
10°-20°	1379.7	24.5
20°-30°	1574.8	28.0
30°-40°	1044.4	18.6
40°-50°	503.7	9.0
50°-60°	309.9	5.5
60°-70°	187.5	3.3
70°-80°	78.9	1.4
80°-90°	17.4	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°	3480.2	61.9
0°-40°	4524.6	80.5
0°-60°	5338.2	95.0
0°-90°	5622.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5622.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5522	5522	5522	5522	5522	
5°	5559	5618	5643	5463	5472	522
15°	5020	5020	5039	4826	4913	1399
25°	3772	3646	3239	3427	3514	1711
35°	2132	1879	1003	1753	1874	1319
45°	865	758	225	708	764	706
55°	525	427	67	427	475	462
65°	253	242	42	228	250	254
75°	93	93	25	87	98	99
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°	5522.3	5522.3	5522.3	5522.3	5522.3	5522.3	5522.3	5522.3	5522.3
2.5°	5536.3	5544.8	5561.6	5564.4	5556.0	5502.6	5457.7	5474.5	5488.6
5°	5558.8	5575.7	5617.8	5657.1	5643.1	5553.2	5463.3	5460.5	5471.7
7.5°	5477.3	5516.7	5603.7	5702.1	5699.2	5544.8	5412.7	5379.0	5379.0
10°	5317.2	5353.8	5449.3	5581.3	5578.5	5384.7	5238.6	5221.7	5224.5
12.5°	5174.0	5190.8	5238.6	5342.5	5342.5	5151.5	5039.2	5056.0	5078.5
15°	5019.5	5030.7	5019.5	5053.2	5039.2	4881.9	4825.7	4879.1	4912.8
17.5°	4800.4	4806.0	4747.0	4702.1	4648.7	4550.4	4564.5	4643.1	4651.5
20°	4494.2	4530.7	4424.0	4308.8	4258.3	4165.6	4244.2	4331.3	4325.7
22.5°	4157.2	4199.3	4061.7	3870.7	3766.7	3730.2	3870.7	3949.3	3946.5
25°	3772.3	3803.2	3645.9	3379.1	3238.7	3233.0	3426.9	3508.3	3513.9
27.5°	3339.8	3351.0	3174.1	2825.7	2651.6	2693.7	2938.1	3050.5	3064.5
30°	2907.2	2901.6	2719.0	2286.4	2056.1	2171.3	2499.9	2623.5	2637.6
32.5°	2511.2	2494.3	2286.4	1769.6	1494.3	1665.7	2098.2	2227.5	2249.9
35°	2132.0	2103.9	1879.2	1308.9	1002.8	1258.4	1752.8	1865.1	1873.5
37.5°	1735.9	1721.9	1544.9	980.3	699.4	955.0	1429.7	1511.2	1502.8
40°	1367.9	1367.9	1221.9	727.5	485.9	710.7	1132.0	1205.0	1179.7
42.5°	1073.0	1087.0	963.5	536.5	345.5	528.1	896.0	963.5	935.4
45°	865.1	865.1	758.4	398.9	224.7	393.2	707.8	769.6	764.0
47.5°	733.1	721.9	615.1	292.1	123.6	294.9	595.5	671.3	668.5
50°	654.5	637.6	528.1	230.3	87.1	244.4	522.5	592.7	595.5
52.5°	592.7	567.4	474.7	205.0	75.8	213.5	474.7	530.9	530.9
55°	525.3	511.2	427.0	182.6	67.4	191.0	427.0	477.5	474.7
57.5°	443.8	441.0	382.0	165.7	61.8	168.5	382.0	412.9	401.7
60°	362.3	373.6	331.4	148.9	56.2	151.7	325.8	351.1	345.5
62.5°	303.4	317.4	289.3	132.0	47.8	134.8	275.3	300.6	294.9
65°	252.8	264.0	241.6	112.4	42.1	112.4	227.5	250.0	250.0
67.5°	207.9	216.3	199.4	92.7	36.5	92.7	185.4	205.0	207.9
70°	165.7	171.3	157.3	73.0	30.9	75.8	146.1	165.7	165.7
72.5°	129.2	132.0	123.6	59.0	28.1	59.0	112.4	129.2	129.2
75°	92.7	98.3	92.7	44.9	25.3	44.9	87.1	95.5	98.3
77.5°	53.4	67.4	67.4	36.5	19.7	33.7	61.8	64.6	64.6
80°	36.5	42.1	47.8	25.3	14.0	25.3	39.3	42.1	39.3
82.5°	25.3	28.1	28.1	16.9	11.2	16.9	25.3	28.1	25.3
85°	14.0	19.7	19.7	14.0	8.4	11.2	14.0	16.9	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)