

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: P799899

Luminaire Tested: **LD6C60D010 EU6609027 6LBMDSWH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799899
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 6LBMDSWH
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

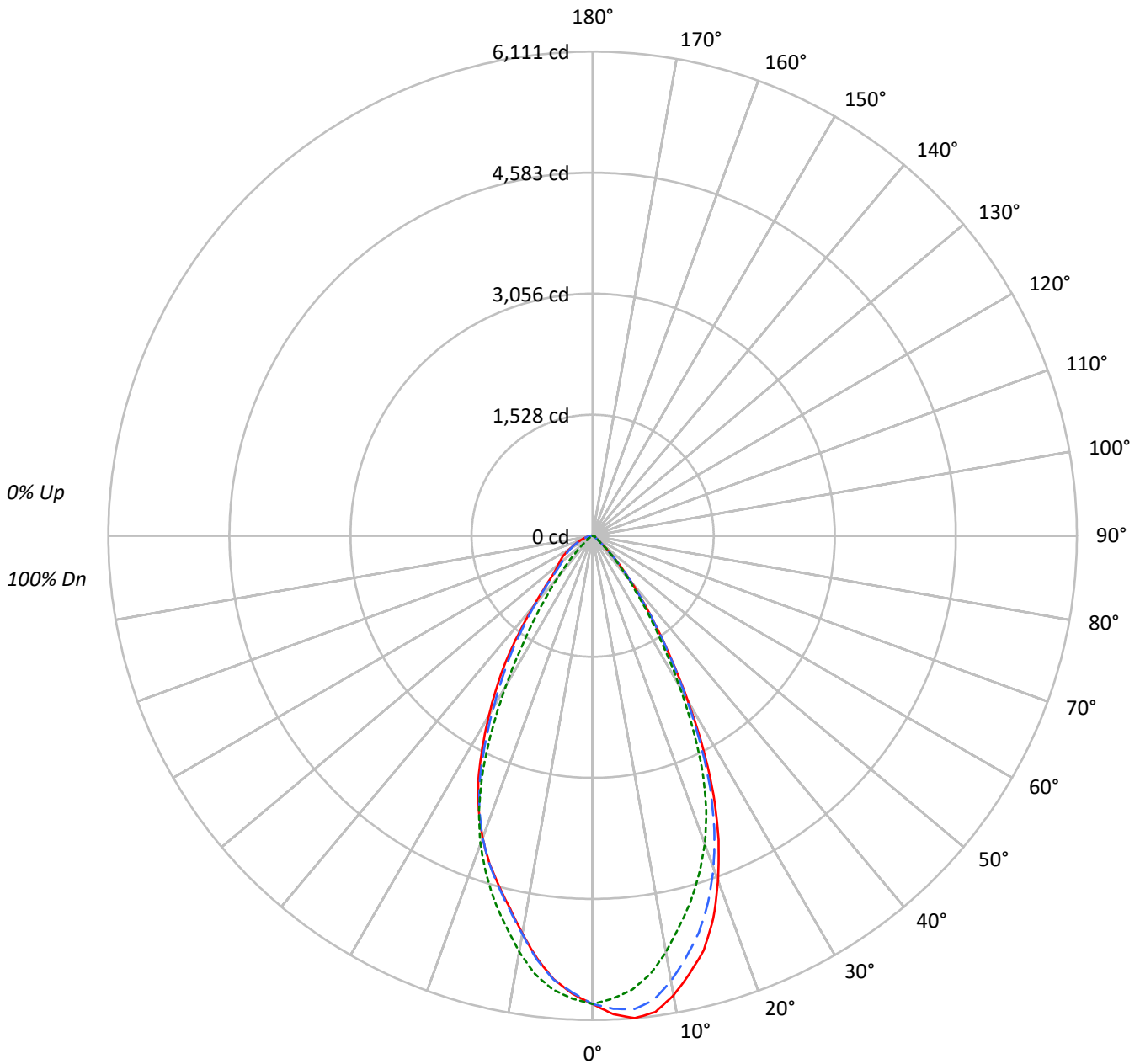
Lumens per Lamp: N/A
Luminaire Lumens: 5087.9 lumens
Efficiency: N/A
Efficacy: 70.7 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

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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	0					
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100				
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92				92				
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85				85				
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78				78				
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73				73				
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67				67				
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63				63				
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59				59				
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55				55				
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52				52				
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49				49				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	323965	323965	323965
5°	336291	316365	309211
10°	327688	296749	283695
15°	307329	271154	259434
20°	269798	241393	236778
25°	218208	198314	206486
30°	151701	138142	165253
35°	93498	84624	124725
40°	52906	47439	82834
45°	25693	24506	56525
50°	9782	9782	48050
55°	5362	6337	44347
60°	3914	5032	36335
65°	3308	4294	29770
70°	2853	3670	24523
75°	2690	3770	21054
80°	1610	3220	15280
85°	1572	6416	14404



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	541.0	10.6
10°-20°	1359.8	26.7
20°-30°	1530.7	30.1
30°-40°	947.8	18.6
40°-50°	377.5	7.4
50°-60°	171.8	3.4
60°-70°	98.8	1.9
70°-80°	46.9	0.9
80°-90°	13.7	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°	3431.5	67.4
0°-40°	4379.3	86.1
0°-60°	4928.6	96.9
0°-90°	5087.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5087.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5910	5910	5910	5910	5910	
5°	6111	5999	5749	5624	5619	576
15°	5415	5180	4778	4584	4571	1498
25°	3608	3511	3279	3360	3414	1622
35°	1397	1390	1264	1762	1864	898
45°	331	331	316	688	729	281
55°	56	54	66	408	464	56
65°	26	23	33	227	230	25
75°	13	13	18	97	99	13
85°	2	2	10	23	23	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°	5909.6	5909.6	5909.6	5909.6	5909.6	5909.6	5909.6	5909.6	5909.6
2.5°	6044.8	5988.7	5975.9	5927.5	5845.9	5800.0	5772.0	5751.6	5787.3
5°	6111.1	6049.9	5998.9	5899.4	5749.0	5664.9	5624.1	5591.0	5619.0
7.5°	6062.6	5975.9	5907.1	5769.4	5578.2	5448.2	5392.1	5353.9	5379.4
10°	5886.7	5782.2	5703.1	5540.0	5330.9	5175.4	5106.6	5070.9	5096.4
12.5°	5657.3	5570.6	5450.7	5272.3	5047.9	4884.8	4833.8	4805.7	4815.9
15°	5415.1	5313.1	5180.5	5002.0	4777.7	4614.5	4583.9	4566.1	4571.2
17.5°	5063.2	4963.8	4849.1	4675.7	4469.2	4336.6	4336.6	4323.9	4331.5
20°	4624.7	4571.2	4459.0	4313.7	4137.8	4017.9	4056.2	4043.4	4058.7
22.5°	4150.5	4109.7	4012.8	3893.0	3745.2	3650.8	3735.0	3732.4	3752.8
25°	3607.5	3576.9	3510.6	3408.6	3278.6	3220.0	3360.2	3360.2	3413.7
27.5°	3008.4	2977.8	2931.9	2845.2	2738.1	2720.3	2926.8	2952.3	3010.9
30°	2396.5	2376.1	2350.6	2271.6	2182.3	2215.5	2501.0	2544.4	2610.6
32.5°	1850.9	1838.2	1830.5	1759.1	1680.1	1789.7	2116.1	2172.1	2238.4
35°	1397.1	1369.1	1389.5	1335.9	1264.5	1402.2	1761.7	1810.1	1863.7
37.5°	1030.0	1009.6	1027.4	989.2	925.5	1075.9	1415.0	1445.5	1481.2
40°	739.3	721.5	736.8	713.8	662.9	803.1	1109.0	1142.2	1157.5
42.5°	525.2	494.6	509.9	492.0	466.6	604.2	871.9	902.5	907.6
45°	331.4	321.2	331.4	321.2	316.1	448.7	688.4	716.4	729.1
47.5°	201.4	188.7	188.7	183.6	188.7	331.4	568.5	609.3	629.7
50°	114.7	109.6	107.1	104.5	114.7	260.0	492.0	537.9	563.4
52.5°	76.5	73.9	73.9	71.4	84.1	219.3	443.6	484.4	509.9
55°	56.1	53.5	53.5	53.5	66.3	188.7	407.9	441.1	464.0
57.5°	43.3	43.3	43.3	40.8	56.1	160.6	364.6	382.4	400.3
60°	35.7	33.1	33.1	33.1	45.9	137.7	313.6	321.2	331.4
62.5°	28.0	28.0	28.0	28.0	38.2	122.4	270.2	270.2	275.3
65°	25.5	22.9	22.9	22.9	33.1	107.1	226.9	224.4	229.5
67.5°	20.4	20.4	20.4	20.4	28.0	91.8	186.1	183.6	188.7
70°	17.8	17.8	17.8	17.8	22.9	76.5	150.4	147.9	153.0
72.5°	15.3	15.3	15.3	15.3	20.4	63.7	119.8	119.8	122.4
75°	12.7	12.7	12.7	12.7	17.8	48.4	96.9	96.9	99.4
77.5°	10.2	10.2	10.2	10.2	12.7	38.2	73.9	71.4	71.4
80°	5.1	7.6	7.6	7.6	10.2	28.0	53.5	48.4	48.4
82.5°	2.5	5.1	5.1	5.1	10.2	20.4	35.7	33.1	33.1
85°	2.5	2.5	2.5	7.6	10.2	15.3	22.9	22.9	22.9
87.5°	0.0	2.5	5.1	10.2	12.7	12.7	15.3	12.7	12.7
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)