

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: P799942

Luminaire Tested: **LD6C60D010 EU6609050 6LBMDDWLI**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799942
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 6LBMDDWLI
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

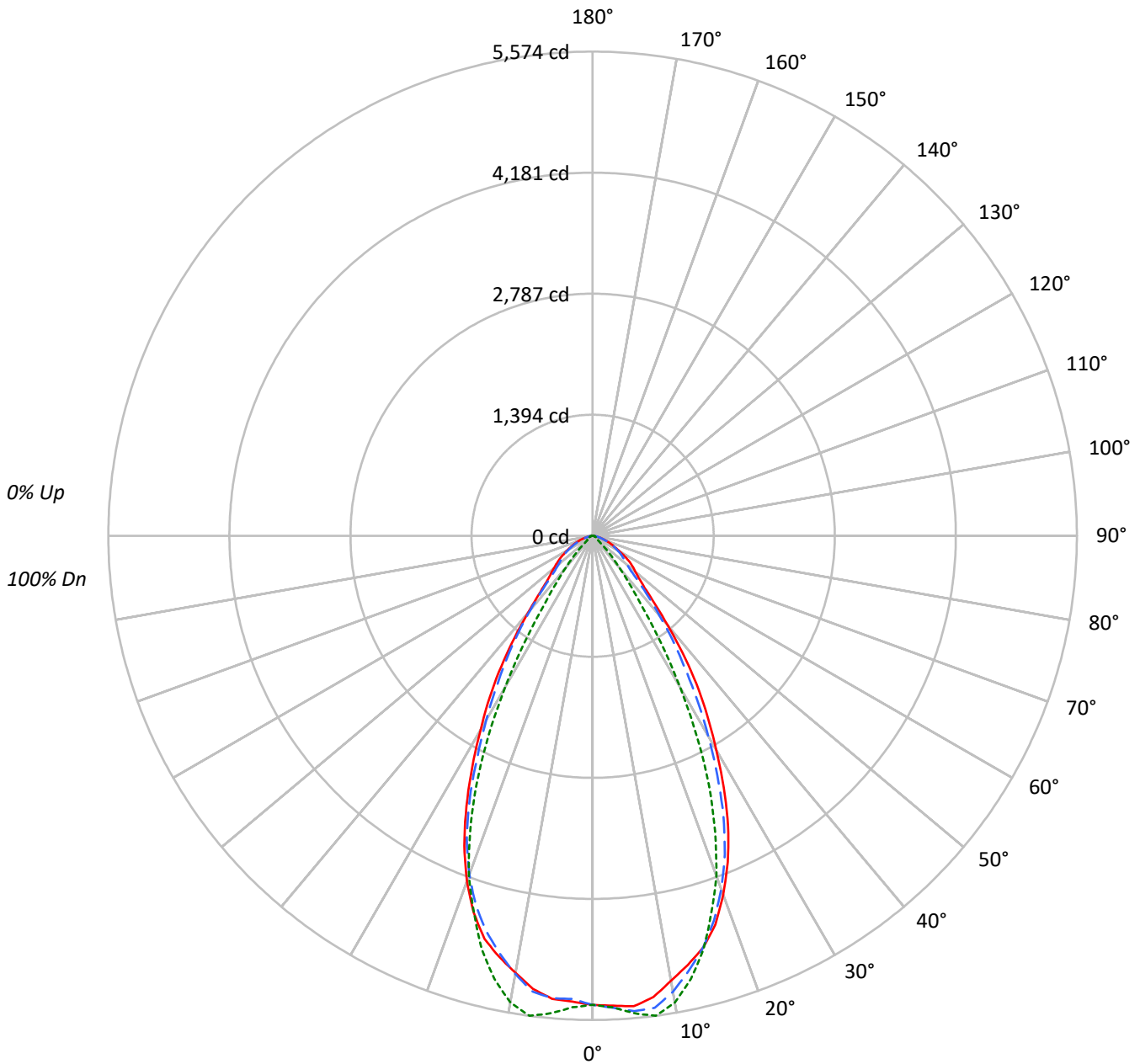
Lumens per Lamp: N/A
Luminaire Lumens: 5498.0 lumens
Efficiency: N/A
Efficacy: 76.4 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	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°	296056	296056	296056
5°	299152	303686	294463
10°	289462	303680	284414
15°	278594	279684	272669
20°	256403	242944	246789
25°	223144	191576	207859
30°	179971	127285	163278
35°	139528	65631	122616
40°	95737	34007	82562
45°	65596	17041	57928
50°	54582	7266	49670
55°	49097	6298	44366
60°	38857	6019	37047
65°	32066	5344	31715
70°	25982	4841	25982
75°	19190	5232	20355
80°	11270	4325	12154
85°	8617	5158	8617



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	514.1	9.4
10°-20°	1349.3	24.5
20°-30°	1540.1	28.0
30°-40°	1021.4	18.6
40°-50°	492.6	9.0
50°-60°	303.0	5.5
60°-70°	183.4	3.3
70°-80°	77.1	1.4
80°-90°	17.0	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°	3403.5	61.9
0°-40°	4424.8	80.5
0°-60°	5220.5	95.0
0°-90°	5498.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5498.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5400	5400	5400	5400	5400	
5°	5436	5494	5519	5343	5351	511
15°	4909	4909	4928	4719	4804	1368
25°	3689	3566	3167	3351	3436	1673
35°	2085	1838	981	1714	1832	1290
45°	846	742	220	692	747	690
55°	514	418	66	418	464	452
65°	247	236	41	222	244	248
75°	91	91	25	85	96	97
85°	14	19	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°	5400.5	5400.5	5400.5	5400.5	5400.5	5400.5	5400.5	5400.5	5400.5
2.5°	5414.2	5422.5	5438.9	5441.7	5433.5	5381.3	5337.3	5353.8	5367.5
5°	5436.2	5452.7	5493.9	5532.3	5518.6	5430.7	5342.8	5340.1	5351.0
7.5°	5356.5	5395.0	5480.1	5576.3	5573.5	5422.5	5293.4	5260.4	5260.4
10°	5200.0	5235.7	5329.1	5458.2	5455.4	5265.9	5123.0	5106.6	5109.3
12.5°	5059.9	5076.3	5123.0	5224.7	5224.7	5037.9	4928.0	4944.5	4966.5
15°	4908.8	4919.8	4908.8	4941.7	4928.0	4774.2	4719.2	4771.4	4804.4
17.5°	4694.5	4700.0	4642.3	4598.4	4546.2	4450.0	4463.8	4540.7	4548.9
20°	4395.1	4430.8	4326.4	4213.8	4164.4	4073.7	4150.6	4235.8	4230.3
22.5°	4065.5	4106.7	3972.1	3785.3	3683.6	3647.9	3785.3	3862.2	3859.5
25°	3689.1	3719.4	3565.5	3304.6	3167.2	3161.7	3351.3	3430.9	3436.4
27.5°	3266.1	3277.1	3104.0	2763.4	2593.1	2634.3	2873.3	2983.2	2996.9
30°	2843.1	2837.6	2659.0	2236.0	2010.8	2123.4	2444.8	2565.6	2579.4
32.5°	2455.8	2439.3	2236.0	1730.6	1461.4	1628.9	2052.0	2178.3	2200.3
35°	2084.9	2057.5	1837.7	1280.1	980.7	1230.6	1714.1	1824.0	1832.2
37.5°	1697.6	1683.9	1510.8	958.7	684.0	934.0	1398.2	1477.9	1469.6
40°	1337.8	1337.8	1194.9	711.5	475.2	695.0	1107.0	1178.4	1153.7
42.5°	1049.3	1063.1	942.2	524.7	337.9	516.4	876.3	942.2	914.7
45°	846.1	846.1	741.7	390.1	219.8	384.6	692.2	752.7	747.2
47.5°	717.0	706.0	601.6	285.7	120.9	288.4	582.4	656.5	653.8
50°	640.0	623.6	516.4	225.2	85.2	239.0	510.9	579.6	582.4
52.5°	579.6	554.9	464.2	200.5	74.2	208.8	464.2	519.2	519.2
55°	513.7	499.9	417.5	178.6	65.9	186.8	417.5	467.0	464.2
57.5°	434.0	431.3	373.6	162.1	60.4	164.8	373.6	403.8	392.8
60°	354.4	365.3	324.1	145.6	54.9	148.3	318.6	343.4	337.9
62.5°	296.7	310.4	282.9	129.1	46.7	131.9	269.2	293.9	288.4
65°	247.2	258.2	236.2	109.9	41.2	109.9	222.5	244.5	244.5
67.5°	203.3	211.5	195.0	90.6	35.7	90.6	181.3	200.5	203.3
70°	162.1	167.6	153.8	71.4	30.2	74.2	142.8	162.1	162.1
72.5°	126.4	129.1	120.9	57.7	27.5	57.7	109.9	126.4	126.4
75°	90.6	96.1	90.6	44.0	24.7	44.0	85.2	93.4	96.1
77.5°	52.2	65.9	65.9	35.7	19.2	33.0	60.4	63.2	63.2
80°	35.7	41.2	46.7	24.7	13.7	24.7	38.5	41.2	38.5
82.5°	24.7	27.5	27.5	16.5	11.0	16.5	24.7	27.5	24.7
85°	13.7	19.2	19.2	13.7	8.2	11.0	13.7	16.5	13.7
87.5°	8.2	11.0	13.7	11.0	8.2	8.2	8.2	8.2	5.5
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)