

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: P799935

Luminaire Tested: **LD6C60D010 EU6609040 6LBMDSWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799935
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 EU6609040 6LBMDSWH
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

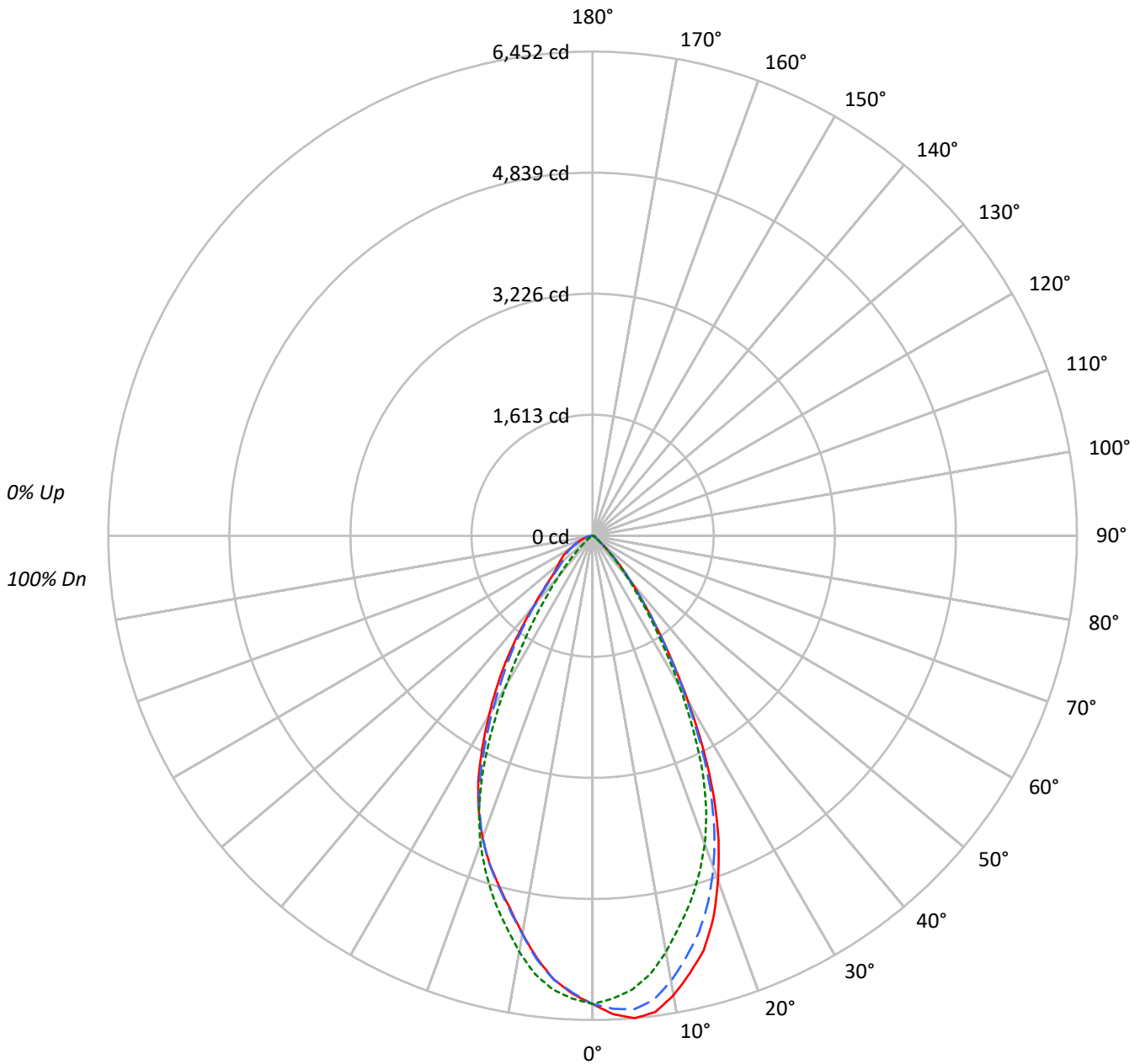
Lumens per Lamp: N/A
Luminaire Lumens: 5372.0 lumens
Efficiency: N/A
Efficacy: 74.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	342050	342050	342050
5°	355062	334024	326468
10°	345980	313315	299527
15°	324480	286290	273912
20°	284861	254863	249998
25°	230384	209383	218015
30°	160170	145858	174483
35°	98718	89349	131685
40°	55862	50087	87457
45°	27127	25879	59681
50°	10328	10328	50736
55°	5658	6690	46823
60°	4133	5318	38363
65°	3489	4540	31430
70°	3013	3879	25886
75°	2859	3982	22240
80°	1705	3410	16132
85°	1698	6793	15222



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	571.2	10.6
10°-20°	1435.7	26.7
20°-30°	1616.2	30.1
30°-40°	1000.7	18.6
40°-50°	398.5	7.4
50°-60°	181.4	3.4
60°-70°	104.3	1.9
70°-80°	49.5	0.9
80°-90°	14.5	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°	3623.0	67.4
0°-40°	4623.8	86.1
0°-60°	5203.7	96.9
0°-90°	5372.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5372.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6240	6240	6240	6240	6240	
5°	6452	6334	6070	5938	5933	608
15°	5717	5470	5044	4840	4826	1582
25°	3809	3707	3462	3548	3604	1712
35°	1475	1467	1335	1860	1968	948
45°	350	350	334	727	770	296
55°	59	56	70	431	490	59
65°	27	24	35	240	242	26
75°	14	14	19	102	105	14
85°	3	3	11	24	24	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°	6239.5	6239.5	6239.5	6239.5	6239.5	6239.5	6239.5	6239.5	6239.5
2.5°	6382.2	6323.0	6309.5	6258.4	6172.2	6123.8	6094.2	6072.6	6110.3
5°	6452.2	6387.6	6333.7	6228.7	6069.9	5981.1	5938.0	5903.0	5932.6
7.5°	6401.0	6309.5	6236.8	6091.5	5889.6	5752.3	5693.1	5652.7	5679.6
10°	6215.3	6104.9	6021.5	5849.2	5628.5	5464.3	5391.6	5353.9	5380.8
12.5°	5973.0	5881.5	5755.0	5566.6	5329.7	5157.4	5103.6	5074.0	5084.7
15°	5717.3	5609.6	5469.7	5281.2	5044.4	4872.1	4839.8	4820.9	4826.3
17.5°	5345.8	5240.9	5119.7	4936.7	4718.7	4578.7	4578.7	4565.2	4573.3
20°	4882.9	4826.3	4707.9	4554.5	4368.7	4242.2	4282.6	4269.1	4285.3
22.5°	4382.2	4339.1	4236.8	4110.3	3954.2	3854.6	3943.4	3940.7	3962.3
25°	3808.8	3776.5	3706.6	3598.9	3461.6	3399.7	3547.7	3547.7	3604.3
27.5°	3176.3	3144.0	3095.5	3004.0	2891.0	2872.1	3090.1	3117.1	3179.0
30°	2530.3	2508.7	2481.8	2398.4	2304.2	2339.1	2640.6	2686.4	2756.4
32.5°	1954.2	1940.8	1932.7	1857.3	1773.9	1889.6	2234.2	2293.4	2363.4
35°	1475.1	1445.5	1467.0	1410.5	1335.1	1480.5	1860.0	1911.2	1967.7
37.5°	1087.5	1065.9	1084.8	1044.4	977.1	1135.9	1493.9	1526.2	1563.9
40°	780.6	761.8	777.9	753.7	699.9	847.9	1170.9	1205.9	1222.1
42.5°	554.5	522.2	538.4	519.5	492.6	637.9	920.6	952.9	958.3
45°	349.9	339.2	349.9	339.2	333.8	473.8	726.8	756.4	769.8
47.5°	212.6	199.2	199.2	193.8	199.2	349.9	600.3	643.3	664.9
50°	121.1	115.7	113.1	110.4	121.1	274.6	519.5	568.0	594.9
52.5°	80.8	78.1	78.1	75.4	88.8	231.5	468.4	511.4	538.4
55°	59.2	56.5	56.5	56.5	70.0	199.2	430.7	465.7	489.9
57.5°	45.8	45.8	45.8	43.1	59.2	169.6	384.9	403.8	422.6
60°	37.7	35.0	35.0	35.0	48.5	145.4	331.1	339.2	349.9
62.5°	29.6	29.6	29.6	29.6	40.4	129.2	285.3	285.3	290.7
65°	26.9	24.2	24.2	24.2	35.0	113.1	239.6	236.9	242.3
67.5°	21.5	21.5	21.5	21.5	29.6	96.9	196.5	193.8	199.2
70°	18.8	18.8	18.8	18.8	24.2	80.8	158.8	156.1	161.5
72.5°	16.2	16.2	16.2	16.2	21.5	67.3	126.5	126.5	129.2
75°	13.5	13.5	13.5	13.5	18.8	51.1	102.3	102.3	105.0
77.5°	10.8	10.8	10.8	10.8	13.5	40.4	78.1	75.4	75.4
80°	5.4	8.1	8.1	8.1	10.8	29.6	56.5	51.1	51.1
82.5°	2.7	5.4	5.4	5.4	10.8	21.5	37.7	35.0	35.0
85°	2.7	2.7	2.7	8.1	10.8	16.2	24.2	24.2	24.2
87.5°	0.0	2.7	5.4	10.8	13.5	13.5	16.2	13.5	13.5
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)