

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: P799936

Luminaire Tested: **LD6C60D010 EU6609040 6LBMDSWLI**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799936
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 6LBMDSWLI
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

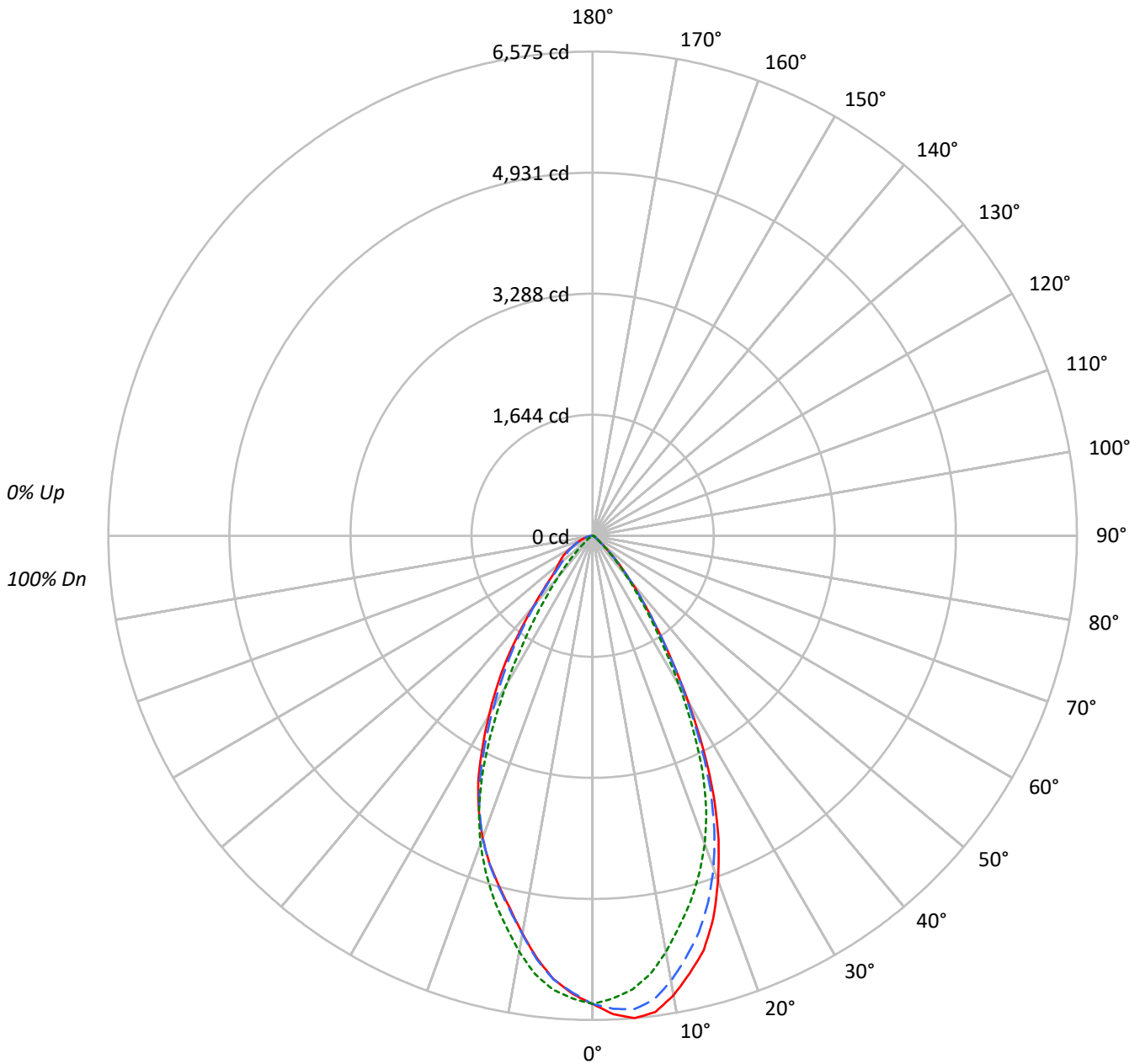
Lumens per Lamp: N/A
Luminaire Lumens: 5474.0 lumens
Efficiency: N/A
Efficacy: 76.0 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	348547	348547	348547
5°	361803	340369	332670
10°	352549	319260	305216
15°	330643	291721	279116
20°	290269	259705	254746
25°	234764	213357	222152
30°	163209	148624	177793
35°	100592	91049	134181
40°	56921	51031	89117
45°	27646	26367	60820
50°	10524	10524	51700
55°	5763	6815	47712
60°	4210	5416	39098
65°	3554	4631	32027
70°	3077	3959	26383
75°	2902	4067	22664
80°	1736	3473	16448
85°	1698	6919	15536



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	582.1	10.6
10°-20°	1462.9	26.7
20°-30°	1646.8	30.1
30°-40°	1019.7	18.6
40°-50°	406.1	7.4
50°-60°	184.9	3.4
60°-70°	106.3	1.9
70°-80°	50.5	0.9
80°-90°	14.7	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°	3691.8	67.4
0°-40°	4711.6	86.1
0°-60°	5302.5	96.9
0°-90°	5474.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5474.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6358	6358	6358	6358	6358	
5°	6575	6454	6185	6051	6045	619
15°	5826	5574	5140	4932	4918	1612
25°	3881	3777	3527	3615	3673	1745
35°	1503	1495	1360	1895	2005	966
45°	357	357	340	741	784	302
55°	60	58	71	439	499	60
65°	27	25	36	244	247	27
75°	14	14	19	104	107	14
85°	3	3	11	25	25	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°	6358.0	6358.0	6358.0	6358.0	6358.0	6358.0	6358.0	6358.0	6358.0
2.5°	6503.4	6443.0	6429.3	6377.2	6289.4	6240.0	6209.9	6187.9	6226.3
5°	6574.7	6508.8	6454.0	6347.0	6185.2	6094.7	6050.8	6015.1	6045.3
7.5°	6522.6	6429.3	6355.2	6207.1	6001.4	5861.5	5801.2	5760.0	5787.5
10°	6333.3	6220.8	6135.8	5960.3	5735.3	5568.0	5494.0	5455.6	5483.0
12.5°	6086.4	5993.2	5864.3	5672.3	5430.9	5255.3	5200.5	5170.3	5181.3
15°	5825.9	5716.1	5573.5	5381.5	5140.1	4964.6	4931.7	4912.5	4918.0
17.5°	5447.3	5340.4	5216.9	5030.4	4808.3	4665.6	4665.6	4651.9	4660.1
20°	4975.6	4918.0	4797.3	4640.9	4451.7	4322.8	4363.9	4350.2	4366.7
22.5°	4465.4	4421.5	4317.3	4188.4	4029.3	3927.8	4018.3	4015.6	4037.5
25°	3881.2	3848.3	3776.9	3667.2	3527.3	3464.2	3615.1	3615.1	3672.7
27.5°	3236.6	3203.7	3154.3	3061.0	2945.8	2926.6	3148.8	3176.2	3239.3
30°	2578.3	2556.4	2528.9	2443.9	2347.9	2383.6	2690.8	2737.4	2808.7
32.5°	1991.3	1977.6	1969.4	1892.6	1807.6	1925.5	2276.6	2336.9	2408.2
35°	1503.1	1472.9	1494.9	1437.3	1360.5	1508.6	1895.3	1947.4	2005.0
37.5°	1108.1	1086.2	1105.4	1064.2	995.7	1157.5	1522.3	1555.2	1593.6
40°	795.4	776.2	792.7	768.0	713.1	864.0	1193.2	1228.8	1245.3
42.5°	565.0	532.1	548.6	529.4	501.9	650.1	938.1	971.0	976.5
45°	356.6	345.6	356.6	345.6	340.1	482.7	740.6	770.7	784.5
47.5°	216.7	203.0	203.0	197.5	203.0	356.6	611.7	655.5	677.5
50°	123.4	117.9	115.2	112.5	123.4	279.8	529.4	578.7	606.2
52.5°	82.3	79.5	79.5	76.8	90.5	235.9	477.3	521.1	548.6
55°	60.3	57.6	57.6	57.6	71.3	203.0	438.9	474.5	499.2
57.5°	46.6	46.6	46.6	43.9	60.3	172.8	392.2	411.4	430.6
60°	38.4	35.7	35.7	35.7	49.4	148.1	337.4	345.6	356.6
62.5°	30.2	30.2	30.2	30.2	41.1	131.7	290.7	290.7	296.2
65°	27.4	24.7	24.7	24.7	35.7	115.2	244.1	241.4	246.9
67.5°	21.9	21.9	21.9	21.9	30.2	98.7	200.2	197.5	203.0
70°	19.2	19.2	19.2	19.2	24.7	82.3	161.8	159.1	164.6
72.5°	16.5	16.5	16.5	16.5	21.9	68.6	128.9	128.9	131.7
75°	13.7	13.7	13.7	13.7	19.2	52.1	104.2	104.2	107.0
77.5°	11.0	11.0	11.0	11.0	13.7	41.1	79.5	76.8	76.8
80°	5.5	8.2	8.2	8.2	11.0	30.2	57.6	52.1	52.1
82.5°	2.7	5.5	5.5	5.5	11.0	21.9	38.4	35.7	35.7
85°	2.7	2.7	2.7	8.2	11.0	16.5	24.7	24.7	24.7
87.5°	0.0	2.7	5.5	11.0	13.7	13.7	16.5	13.7	13.7
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)