

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: P799934

Luminaire Tested: **LD6C60D010 EU6609040 6LBMDSWGPH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799934
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 6LBMDSWGPH
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

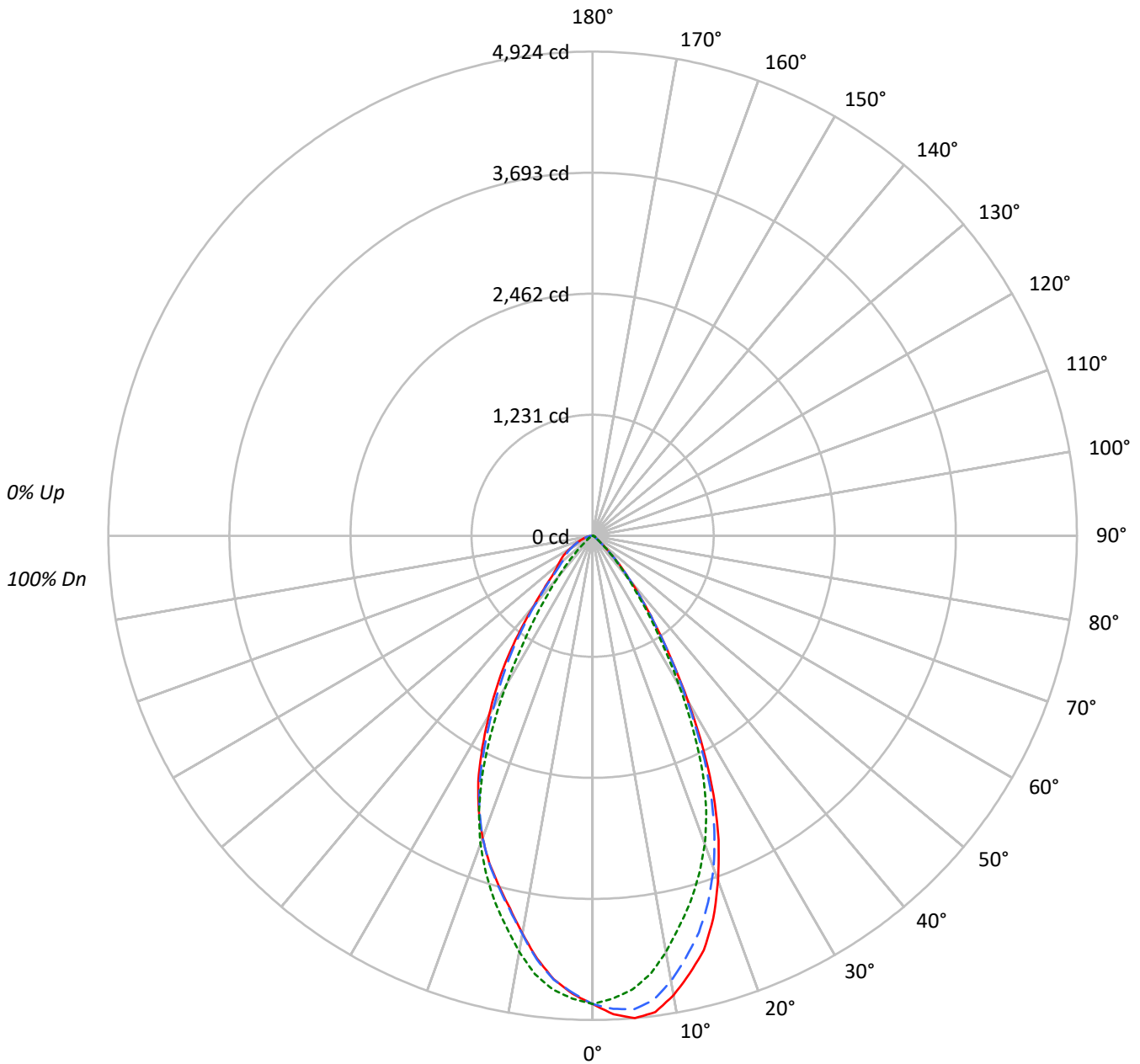
Lumens per Lamp: N/A
Luminaire Lumens: 4100.0 lumens
Efficiency: N/A
Efficacy: 56.9 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	261059	261059	261059
5°	270988	254936	249168
10°	264057	239124	228603
15°	247646	218497	209053
20°	217410	194518	190802
25°	175837	159808	166389
30°	122240	111321	133166
35°	75342	68195	100505
40°	42637	38222	66746
45°	20708	19746	45555
50°	7880	7880	38719
55°	4320	5104	35736
60°	3158	4057	29285
65°	2659	3463	23984
70°	2308	2965	19763
75°	2182	3050	16966
80°	1294	2589	12312
85°	1321	5158	11636



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	436.0	10.6
10°-20°	1095.7	26.7
20°-30°	1233.5	30.1
30°-40°	763.8	18.6
40°-50°	304.2	7.4
50°-60°	138.5	3.4
60°-70°	79.6	1.9
70°-80°	37.8	0.9
80°-90°	11.0	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°	2765.1	67.4
0°-40°	3528.9	86.1
0°-60°	3971.6	96.9
0°-90°	4100.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4100.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4762	4762	4762	4762	4762	
5°	4924	4834	4633	4532	4528	464
15°	4364	4174	3850	3694	3684	1207
25°	2907	2829	2642	2708	2751	1307
35°	1126	1120	1019	1420	1502	724
45°	267	267	255	555	588	226
55°	45	43	53	329	374	45
65°	20	18	27	183	185	20
75°	10	10	14	78	80	11
85°	2	2	8	18	18	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°	4762.1	4762.1	4762.1	4762.1	4762.1	4762.1	4762.1	4762.1	4762.1
2.5°	4871.0	4825.8	4815.5	4776.5	4710.7	4673.8	4651.2	4634.7	4663.5
5°	4924.4	4875.1	4834.0	4753.9	4632.7	4564.9	4532.0	4505.3	4527.9
7.5°	4885.4	4815.5	4760.0	4649.1	4495.0	4390.3	4345.1	4314.2	4334.8
10°	4743.6	4659.4	4595.7	4464.2	4295.7	4170.4	4115.0	4086.2	4106.7
12.5°	4558.7	4488.9	4392.3	4248.5	4067.7	3936.2	3895.1	3872.5	3880.8
15°	4363.5	4281.4	4174.5	4030.7	3849.9	3718.5	3693.8	3679.4	3683.5
17.5°	4080.0	3999.9	3907.5	3767.8	3601.4	3494.5	3494.5	3484.3	3490.4
20°	3726.7	3683.5	3593.1	3476.0	3334.3	3237.7	3268.5	3258.3	3270.6
22.5°	3344.6	3311.7	3233.6	3137.1	3017.9	2941.9	3009.7	3007.6	3024.1
25°	2907.0	2882.3	2828.9	2746.7	2642.0	2594.7	2707.7	2707.7	2750.8
27.5°	2424.2	2399.5	2362.6	2292.7	2206.4	2192.0	2358.5	2379.0	2426.2
30°	1931.1	1914.7	1894.2	1830.5	1758.6	1785.3	2015.4	2050.3	2103.7
32.5°	1491.5	1481.2	1475.1	1417.5	1353.8	1442.2	1705.2	1750.3	1803.8
35°	1125.8	1103.2	1119.6	1076.5	1019.0	1129.9	1419.6	1458.6	1501.8
37.5°	830.0	813.5	827.9	797.1	745.7	867.0	1140.2	1164.8	1193.6
40°	595.8	581.4	593.7	575.2	534.1	647.1	893.7	920.4	932.7
42.5°	423.2	398.6	410.9	396.5	376.0	486.9	702.6	727.3	731.4
45°	267.1	258.9	267.1	258.9	254.7	361.6	554.7	577.3	587.6
47.5°	162.3	152.0	152.0	147.9	152.0	267.1	458.1	491.0	507.4
50°	92.4	88.3	86.3	84.2	92.4	209.5	396.5	433.5	454.0
52.5°	61.6	59.6	59.6	57.5	67.8	176.7	357.5	390.3	410.9
55°	45.2	43.1	43.1	43.1	53.4	152.0	328.7	355.4	373.9
57.5°	34.9	34.9	34.9	32.9	45.2	129.4	293.8	308.2	322.5
60°	28.8	26.7	26.7	26.7	37.0	110.9	252.7	258.9	267.1
62.5°	22.6	22.6	22.6	22.6	30.8	98.6	217.8	217.8	221.9
65°	20.5	18.5	18.5	18.5	26.7	86.3	182.8	180.8	184.9
67.5°	16.4	16.4	16.4	16.4	22.6	74.0	150.0	147.9	152.0
70°	14.4	14.4	14.4	14.4	18.5	61.6	121.2	119.2	123.3
72.5°	12.3	12.3	12.3	12.3	16.4	51.4	96.6	96.6	98.6
75°	10.3	10.3	10.3	10.3	14.4	39.0	78.1	78.1	80.1
77.5°	8.2	8.2	8.2	8.2	10.3	30.8	59.6	57.5	57.5
80°	4.1	6.2	6.2	6.2	8.2	22.6	43.1	39.0	39.0
82.5°	2.1	4.1	4.1	4.1	8.2	16.4	28.8	26.7	26.7
85°	2.1	2.1	2.1	6.2	8.2	12.3	18.5	18.5	18.5
87.5°	0.0	2.1	4.1	8.2	10.3	10.3	12.3	10.3	10.3
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)