

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: P799232

Luminaire Tested: **LD6C08D010 EU6089027 6LBMDDWGPH**

Issue Date: 4/12/2024

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P799232
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: LD6C08D010 EU6089027 6LBMDDWGPH
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS AND 6LBMDDW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

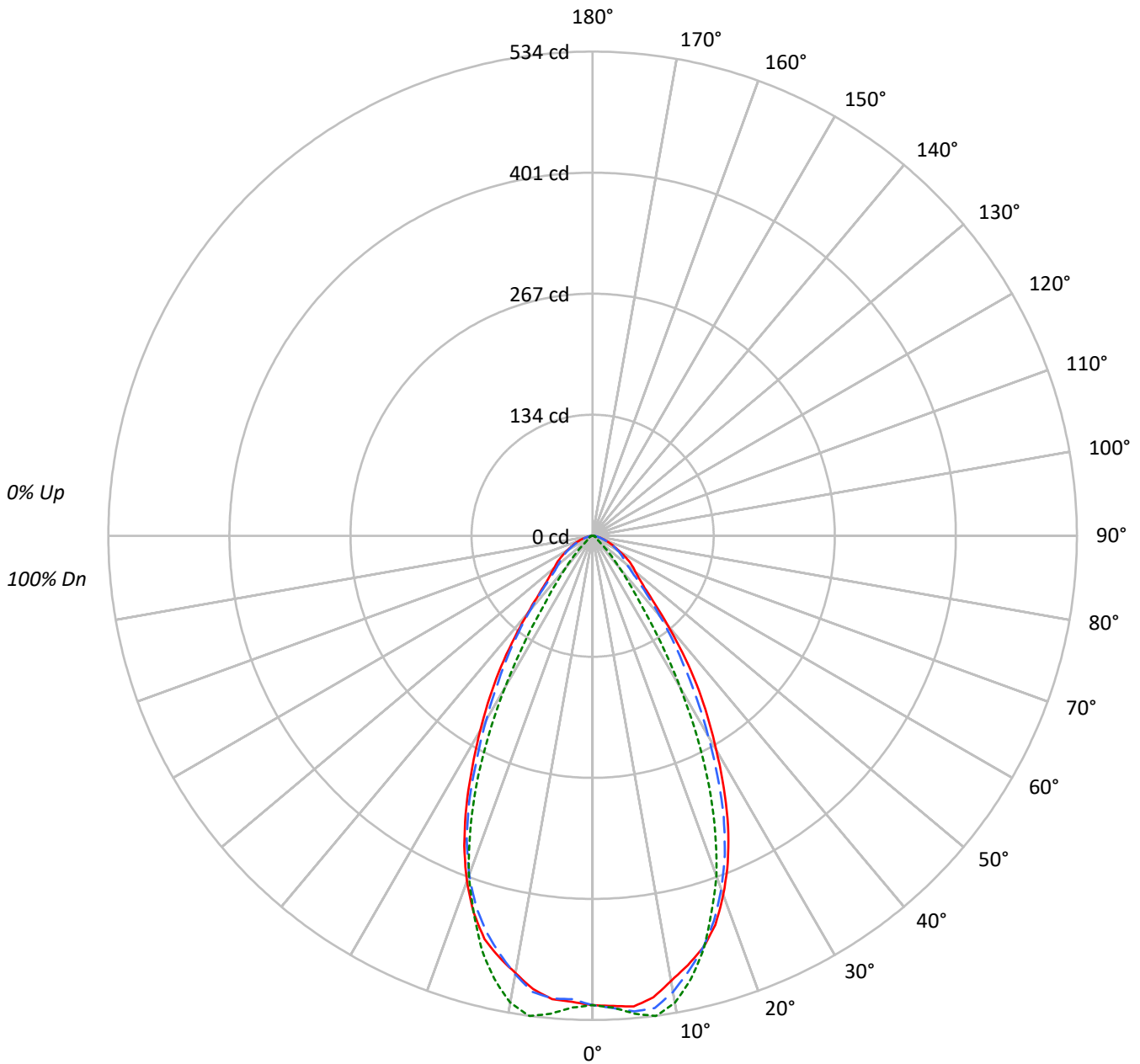
Lumens per Lamp: N/A
Luminaire Lumens: 527.0 lumens
Efficiency: N/A
Efficacy: 53.2 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (Ain): 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

TEST NUMBER: P799232

CATALOG NUMBER: LD6C08D010 EU6089027 6LBMDDWGPB

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	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°	28380	28380	28380
5°	28676	29111	28225
10°	27744	29108	27260
15°	26703	26811	26135
20°	24578	23289	23656
25°	21388	18364	19925
30°	17249	12198	15648
35°	13371	6291	11752
40°	9174	3263	7915
45°	6287	1636	5551
50°	5228	699	4759
55°	4702	602	4253
60°	3728	581	3552
65°	3074	506	3035
70°	2484	465	2484
75°	1843	508	1949
80°	1073	410	1168
85°	818	503	818



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.3	9.4
10°-20°	129.3	24.5
20°-30°	147.6	28.0
30°-40°	97.9	18.6
40°-50°	47.2	9.0
50°-60°	29.0	5.5
60°-70°	17.6	3.3
70°-80°	7.4	1.4
80°-90°	1.6	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°	326.2	61.9
0°-40°	424.1	80.5
0°-60°	500.4	95.0
0°-90°	527.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	527.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	518	518	518	518	518	
5°	521	527	529	512	513	49
15°	470	470	472	452	460	131
25°	354	342	304	321	329	160
35°	200	176	94	164	176	124
45°	81	71	21	66	72	66
55°	49	40	6	40	44	43
65°	24	23	4	21	23	24
75°	9	9	2	8	9	9
85°	1	2	1	1	1	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°	517.7	517.7	517.7	517.7	517.7	517.7	517.7	517.7	517.7
2.5°	519.0	519.8	521.3	521.6	520.8	515.8	511.6	513.2	514.5
5°	521.1	522.7	526.6	530.3	529.0	520.5	512.1	511.9	512.9
7.5°	513.4	517.1	525.3	534.5	534.2	519.8	507.4	504.2	504.2
10°	498.4	501.9	510.8	523.2	522.9	504.8	491.1	489.5	489.7
12.5°	485.0	486.6	491.1	500.8	500.8	482.9	472.4	473.9	476.1
15°	470.5	471.6	470.5	473.7	472.4	457.6	452.4	457.4	460.5
17.5°	450.0	450.5	445.0	440.8	435.8	426.6	427.9	435.2	436.0
20°	421.3	424.7	414.7	403.9	399.2	390.5	397.9	406.0	405.5
22.5°	389.7	393.6	380.7	362.8	353.1	349.7	362.8	370.2	369.9
25°	353.6	356.5	341.8	316.8	303.6	303.1	321.2	328.9	329.4
27.5°	313.1	314.1	297.5	264.9	248.6	252.5	275.4	285.9	287.3
30°	272.5	272.0	254.9	214.3	192.7	203.5	234.3	245.9	247.2
32.5°	235.4	233.8	214.3	165.9	140.1	156.1	196.7	208.8	210.9
35°	199.8	197.2	176.1	122.7	94.0	118.0	164.3	174.8	175.6
37.5°	162.7	161.4	144.8	91.9	65.6	89.5	134.0	141.7	140.9
40°	128.2	128.2	114.5	68.2	45.6	66.6	106.1	113.0	110.6
42.5°	100.6	101.9	90.3	50.3	32.4	49.5	84.0	90.3	87.7
45°	81.1	81.1	71.1	37.4	21.1	36.9	66.4	72.1	71.6
47.5°	68.7	67.7	57.7	27.4	11.6	27.6	55.8	62.9	62.7
50°	61.3	59.8	49.5	21.6	8.2	22.9	49.0	55.6	55.8
52.5°	55.6	53.2	44.5	19.2	7.1	20.0	44.5	49.8	49.8
55°	49.2	47.9	40.0	17.1	6.3	17.9	40.0	44.8	44.5
57.5°	41.6	41.3	35.8	15.5	5.8	15.8	35.8	38.7	37.7
60°	34.0	35.0	31.1	14.0	5.3	14.2	30.5	32.9	32.4
62.5°	28.4	29.8	27.1	12.4	4.5	12.6	25.8	28.2	27.6
65°	23.7	24.8	22.6	10.5	3.9	10.5	21.3	23.4	23.4
67.5°	19.5	20.3	18.7	8.7	3.4	8.7	17.4	19.2	19.5
70°	15.5	16.1	14.7	6.8	2.9	7.1	13.7	15.5	15.5
72.5°	12.1	12.4	11.6	5.5	2.6	5.5	10.5	12.1	12.1
75°	8.7	9.2	8.7	4.2	2.4	4.2	8.2	9.0	9.2
77.5°	5.0	6.3	6.3	3.4	1.8	3.2	5.8	6.1	6.1
80°	3.4	3.9	4.5	2.4	1.3	2.4	3.7	3.9	3.7
82.5°	2.4	2.6	2.6	1.6	1.1	1.6	2.4	2.6	2.4
85°	1.3	1.8	1.8	1.3	0.8	1.1	1.3	1.6	1.3
87.5°	0.8	1.1	1.3	1.1	0.8	0.8	0.8	0.8	0.5
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)