

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: P799268

Luminaire Tested: **LD6C08D010 EU6089040 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: P799268
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 EU6089040 6LBMDDWGPH
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS AND 6LBMDDW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

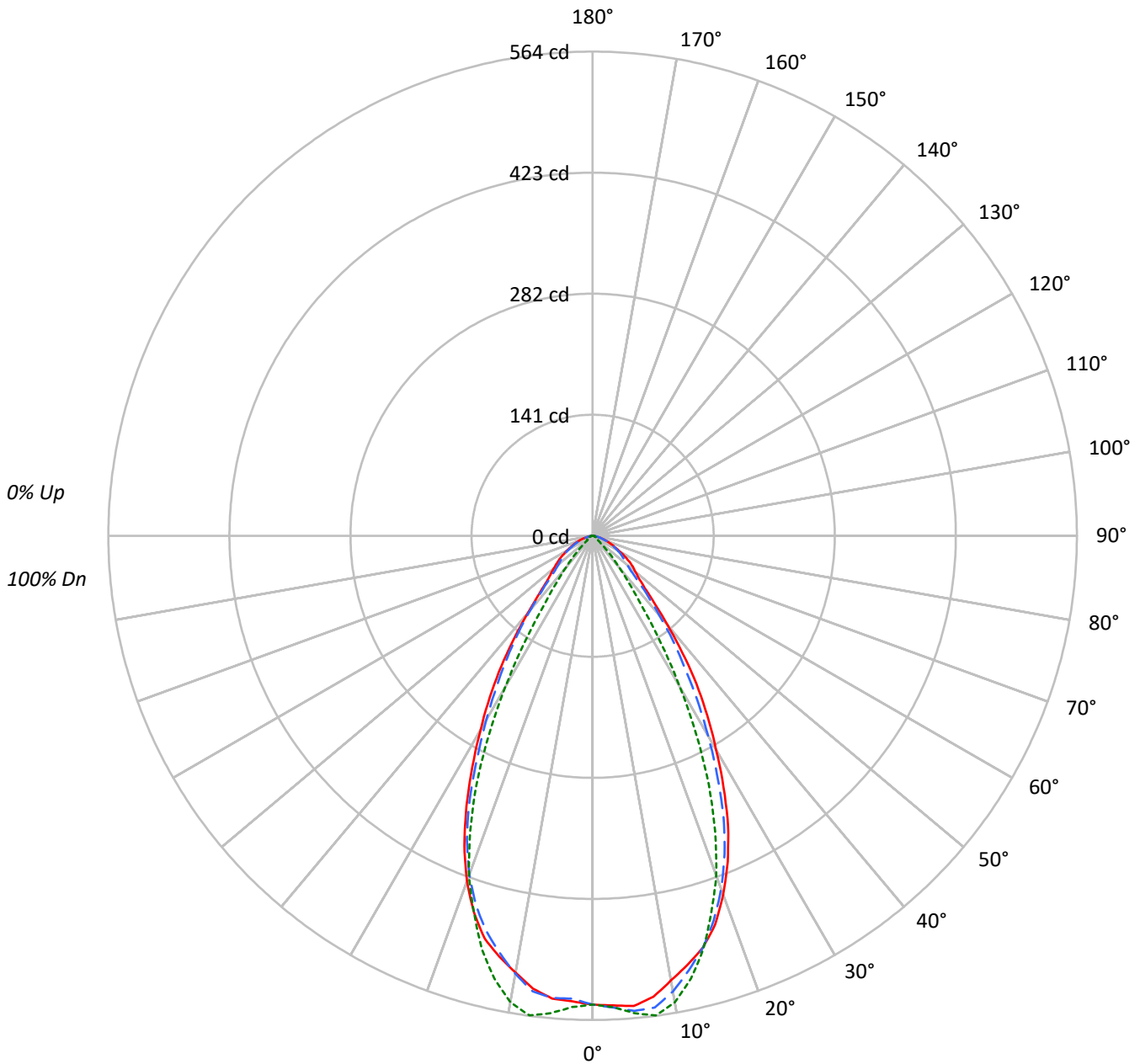
Lumens per Lamp: N/A
Luminaire Lumens: 556.0 lumens
Efficiency: N/A
Efficacy: 56.2 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P799268

CATALOG NUMBER: LD6C08D010 EU6089040 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°	29937	29937	29937
5°	30255	30712	29777
10°	29275	30711	28763
15°	28173	28286	27577
20°	25931	24566	24957
25°	22568	19374	21019
30°	18199	12869	16509
35°	14107	6639	12401
40°	9682	3442	8351
45°	6636	1721	5861
50°	5518	733	5023
55°	4960	640	4483
60°	3925	614	3750
65°	3243	545	3204
70°	2629	497	2629
75°	1949	530	2055
80°	1137	442	1231
85°	881	503	881



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.0	9.4
10°-20°	136.4	24.5
20°-30°	155.7	28.0
30°-40°	103.3	18.6
40°-50°	49.8	9.0
50°-60°	30.6	5.5
60°-70°	18.5	3.3
70°-80°	7.8	1.4
80°-90°	1.7	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°	344.2	61.9
0°-40°	447.5	80.5
0°-60°	527.9	95.0
0°-90°	556.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	556.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	546	546	546	546	546	
5°	550	556	558	540	541	52
15°	496	496	498	477	486	138
25°	373	361	320	339	348	169
35°	211	186	99	173	185	130
45°	86	75	22	70	76	70
55°	52	42	7	42	47	46
65°	25	24	4	22	25	25
75°	9	9	2	9	10	10
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°	546.1	546.1	546.1	546.1	546.1	546.1	546.1	546.1	546.1
2.5°	547.5	548.4	550.0	550.3	549.5	544.2	539.7	541.4	542.8
5°	549.8	551.4	555.6	559.5	558.1	549.2	540.3	540.0	541.1
7.5°	541.7	545.6	554.2	563.9	563.6	548.4	535.3	532.0	532.0
10°	525.9	529.5	538.9	552.0	551.7	532.5	518.1	516.4	516.7
12.5°	511.7	513.4	518.1	528.4	528.4	509.5	498.4	500.0	502.2
15°	496.4	497.5	496.4	499.7	498.4	482.8	477.2	482.5	485.9
17.5°	474.7	475.3	469.5	465.0	459.7	450.0	451.4	459.2	460.0
20°	444.5	448.1	437.5	426.1	421.1	412.0	419.7	428.4	427.8
22.5°	411.1	415.3	401.7	382.8	372.5	368.9	382.8	390.6	390.3
25°	373.1	376.1	360.6	334.2	320.3	319.7	338.9	347.0	347.5
27.5°	330.3	331.4	313.9	279.5	262.2	266.4	290.6	301.7	303.1
30°	287.5	287.0	268.9	226.1	203.3	214.7	247.2	259.5	260.8
32.5°	248.3	246.7	226.1	175.0	147.8	164.7	207.5	220.3	222.5
35°	210.8	208.1	185.8	129.5	99.2	124.5	173.3	184.5	185.3
37.5°	171.7	170.3	152.8	96.9	69.2	94.4	141.4	149.5	148.6
40°	135.3	135.3	120.8	71.9	48.1	70.3	112.0	119.2	116.7
42.5°	106.1	107.5	95.3	53.1	34.2	52.2	88.6	95.3	92.5
45°	85.6	85.6	75.0	39.4	22.2	38.9	70.0	76.1	75.6
47.5°	72.5	71.4	60.8	28.9	12.2	29.2	58.9	66.4	66.1
50°	64.7	63.1	52.2	22.8	8.6	24.2	51.7	58.6	58.9
52.5°	58.6	56.1	46.9	20.3	7.5	21.1	46.9	52.5	52.5
55°	51.9	50.6	42.2	18.1	6.7	18.9	42.2	47.2	46.9
57.5°	43.9	43.6	37.8	16.4	6.1	16.7	37.8	40.8	39.7
60°	35.8	36.9	32.8	14.7	5.6	15.0	32.2	34.7	34.2
62.5°	30.0	31.4	28.6	13.1	4.7	13.3	27.2	29.7	29.2
65°	25.0	26.1	23.9	11.1	4.2	11.1	22.5	24.7	24.7
67.5°	20.6	21.4	19.7	9.2	3.6	9.2	18.3	20.3	20.6
70°	16.4	16.9	15.6	7.2	3.1	7.5	14.4	16.4	16.4
72.5°	12.8	13.1	12.2	5.8	2.8	5.8	11.1	12.8	12.8
75°	9.2	9.7	9.2	4.4	2.5	4.4	8.6	9.4	9.7
77.5°	5.3	6.7	6.7	3.6	1.9	3.3	6.1	6.4	6.4
80°	3.6	4.2	4.7	2.5	1.4	2.5	3.9	4.2	3.9
82.5°	2.5	2.8	2.8	1.7	1.1	1.7	2.5	2.8	2.5
85°	1.4	1.9	1.9	1.4	0.8	1.1	1.4	1.7	1.4
87.5°	0.8	1.1	1.4	1.1	0.8	0.8	0.8	0.8	0.6
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)