

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: P799263

Luminaire Tested: **LD6C08D010 EU6089035 6LBMDSWH**

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: P799263
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: LD6C08D010 EU6089035 6LBMDSWH
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS AND 6LBMDSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

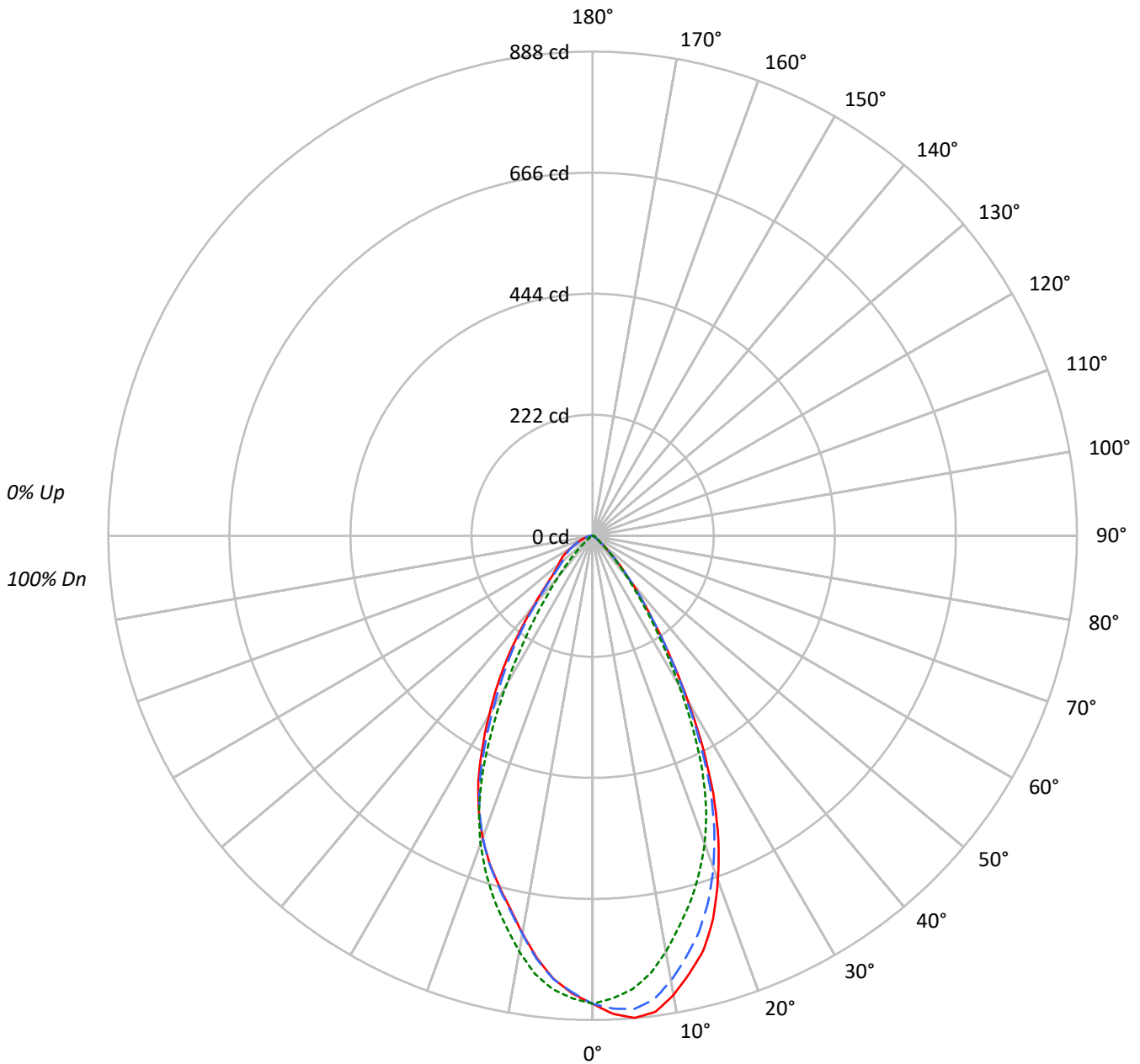
Lumens per Lamp: N/A
Luminaire Lumens: 739.0 lumens
Efficiency: N/A
Efficacy: 74.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				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			100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92			92
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85			85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78			78
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73			73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67			67
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63			63
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59			59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55			55
9	74	64	58	54	73	63	57	54	62	57	53	61	57	53	61	56	53	52			52
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49			49

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	47052	47052	47052
5°	48844	45950	44910
10°	47594	43102	41204
15°	44637	39382	37679
20°	39186	35061	34390
25°	31695	28804	29990
30°	22035	20066	24004
35°	13579	12294	18116
40°	7686	6891	12030
45°	3729	3559	8210
50°	1424	1424	6976
55°	774	918	6442
60°	570	735	5274
65°	480	623	4320
70°	417	529	3558
75°	402	551	3050
80°	221	474	2210
85°	252	943	2076



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.6	10.6
10°-20°	197.5	26.7
20°-30°	222.3	30.1
30°-40°	137.7	18.6
40°-50°	54.8	7.4
50°-60°	25.0	3.4
60°-70°	14.4	1.9
70°-80°	6.8	0.9
80°-90°	2.0	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°	498.4	67.4
0°-40°	636.1	86.1
0°-60°	715.9	96.9
0°-90°	739.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	739.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	858	858	858	858	858	
5°	888	871	835	817	816	84
15°	786	752	694	666	664	218
25°	524	510	476	488	496	236
35°	203	202	184	256	271	130
45°	48	48	46	100	106	41
55°	8	8	10	59	67	8
65°	4	3	5	33	33	4
75°	2	2	3	14	14	2
85°	0	0	2	3	3	0
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°	858.3	858.3	858.3	858.3	858.3	858.3	858.3	858.3	858.3
2.5°	878.0	869.8	868.0	860.9	849.1	842.4	838.3	835.4	840.6
5°	887.6	878.7	871.3	856.9	835.0	822.8	816.9	812.1	816.1
7.5°	880.6	868.0	858.0	838.0	810.2	791.3	783.2	777.6	781.3
10°	855.0	839.8	828.3	804.6	774.3	751.7	741.7	736.5	740.2
12.5°	821.7	809.1	791.7	765.8	733.2	709.5	702.1	698.0	699.5
15°	786.5	771.7	752.4	726.5	693.9	670.2	665.8	663.2	663.9
17.5°	735.4	721.0	704.3	679.1	649.1	629.9	629.9	628.0	629.1
20°	671.7	663.9	647.6	626.5	601.0	583.6	589.1	587.3	589.5
22.5°	602.8	596.9	582.8	565.4	544.0	530.3	542.5	542.1	545.1
25°	524.0	519.5	509.9	495.1	476.2	467.7	488.0	488.0	495.8
27.5°	436.9	432.5	425.8	413.2	397.7	395.1	425.1	428.8	437.3
30°	348.1	345.1	341.4	329.9	317.0	321.8	363.3	369.6	379.2
32.5°	268.8	267.0	265.9	255.5	244.0	259.9	307.3	315.5	325.1
35°	202.9	198.8	201.8	194.0	183.7	203.7	255.9	262.9	270.7
37.5°	149.6	146.6	149.2	143.7	134.4	156.3	205.5	210.0	215.1
40°	107.4	104.8	107.0	103.7	96.3	116.6	161.1	165.9	168.1
42.5°	76.3	71.8	74.1	71.5	67.8	87.8	126.6	131.1	131.8
45°	48.1	46.7	48.1	46.7	45.9	65.2	100.0	104.1	105.9
47.5°	29.3	27.4	27.4	26.7	27.4	48.1	82.6	88.5	91.5
50°	16.7	15.9	15.6	15.2	16.7	37.8	71.5	78.1	81.8
52.5°	11.1	10.7	10.7	10.4	12.2	31.8	64.4	70.4	74.1
55°	8.1	7.8	7.8	7.8	9.6	27.4	59.2	64.1	67.4
57.5°	6.3	6.3	6.3	5.9	8.1	23.3	53.0	55.5	58.1
60°	5.2	4.8	4.8	4.8	6.7	20.0	45.5	46.7	48.1
62.5°	4.1	4.1	4.1	4.1	5.6	17.8	39.3	39.3	40.0
65°	3.7	3.3	3.3	3.3	4.8	15.6	33.0	32.6	33.3
67.5°	3.0	3.0	3.0	3.0	4.1	13.3	27.0	26.7	27.4
70°	2.6	2.6	2.6	2.6	3.3	11.1	21.8	21.5	22.2
72.5°	2.2	2.2	2.2	2.2	3.0	9.3	17.4	17.4	17.8
75°	1.9	1.9	1.9	1.9	2.6	7.0	14.1	14.1	14.4
77.5°	1.5	1.5	1.5	1.5	1.9	5.6	10.7	10.4	10.4
80°	0.7	1.1	1.1	1.1	1.5	4.1	7.8	7.0	7.0
82.5°	0.4	0.7	0.7	0.7	1.5	3.0	5.2	4.8	4.8
85°	0.4	0.4	0.4	1.1	1.5	2.2	3.3	3.3	3.3
87.5°	0.0	0.4	0.7	1.5	1.9	1.9	2.2	1.9	1.9
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)