

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: P799275

Luminaire Tested: **LD6C08D010 EU6089040 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: P799275
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 EU6089040 6LBMDSWH
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS AND 6LBMDSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

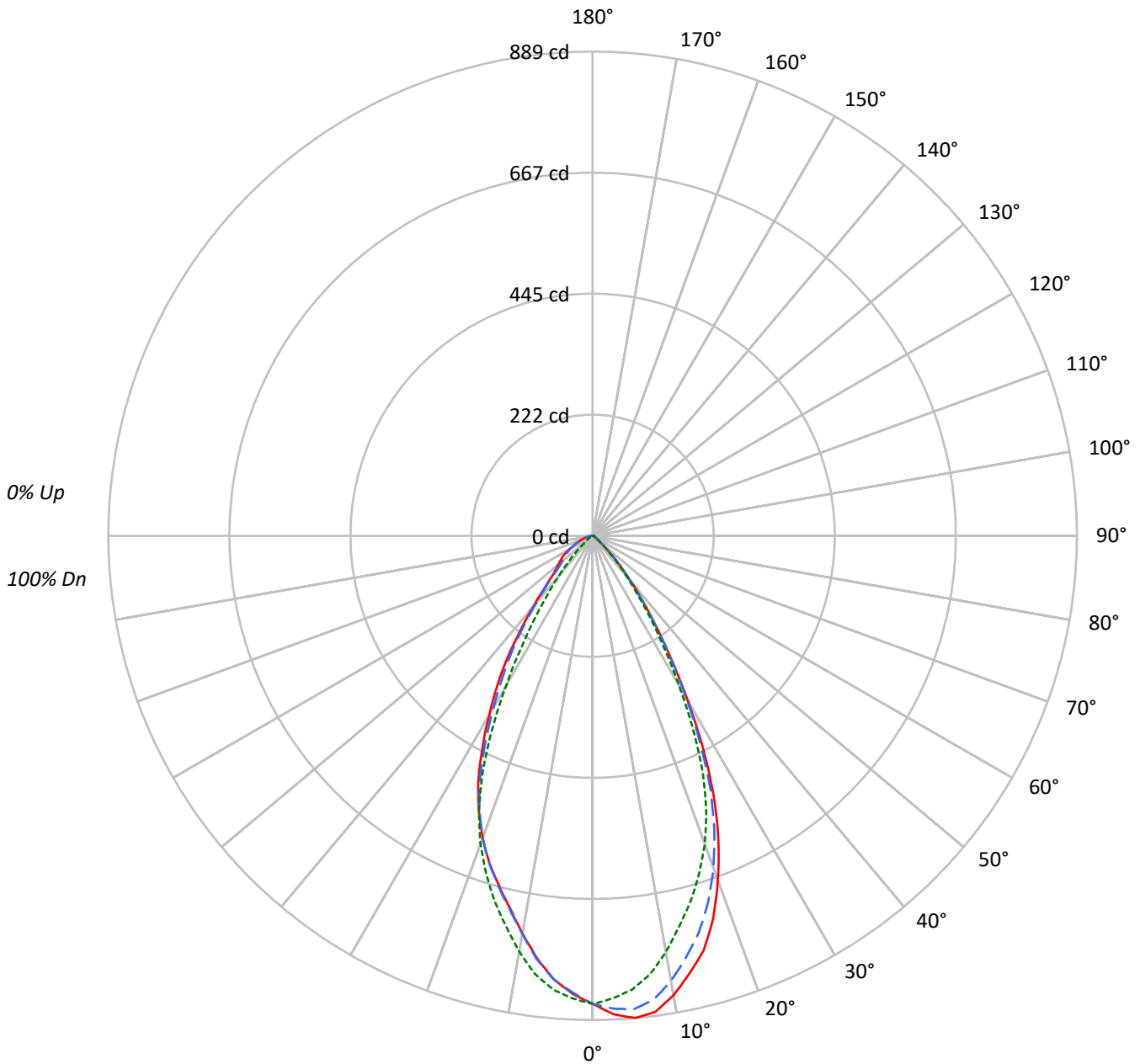
Lumens per Lamp: N/A
Luminaire Lumens: 740.0 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	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	58	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°	47118	47118	47118
5°	48910	46010	44970
10°	47661	43158	41260
15°	44699	39438	37730
20°	39238	35108	34437
25°	31738	28840	30032
30°	22060	20092	24035
35°	13599	12307	18143
40°	7693	6899	12044
45°	3737	3566	8218
50°	1424	1424	6985
55°	784	918	6451
60°	570	735	5285
65°	480	623	4333
70°	417	529	3558
75°	402	551	3071
80°	221	474	2210
85°	252	943	2076



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.7	10.6
10°-20°	197.8	26.7
20°-30°	222.6	30.1
30°-40°	137.9	18.6
40°-50°	54.9	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°	499.1	67.4
0°-40°	636.9	86.1
0°-60°	716.8	96.9
0°-90°	740.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	740.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	860	860	860	860	860	
5°	889	872	836	818	817	84
15°	788	754	695	667	665	218
25°	525	511	477	489	496	236
35°	203	202	184	256	271	131
45°	48	48	46	100	106	41
55°	8	8	10	59	68	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°	859.5	859.5	859.5	859.5	859.5	859.5	859.5	859.5	859.5
2.5°	879.2	871.0	869.1	862.1	850.2	843.6	839.5	836.5	841.7
5°	888.8	879.9	872.5	858.0	836.1	823.9	818.0	813.2	817.2
7.5°	881.7	869.1	859.1	839.1	811.3	792.4	784.2	778.7	782.4
10°	856.2	841.0	829.5	805.7	775.3	752.7	742.7	737.5	741.2
12.5°	822.8	810.2	792.8	766.8	734.2	710.4	703.0	698.9	700.4
15°	787.6	772.7	753.5	727.5	694.9	671.1	666.7	664.1	664.8
17.5°	736.4	721.9	705.3	680.0	650.0	630.7	630.7	628.9	630.0
20°	672.6	664.8	648.5	627.4	601.8	584.4	589.9	588.1	590.3
22.5°	603.7	597.7	583.6	566.2	544.7	531.0	543.2	542.8	545.8
25°	524.7	520.2	510.6	495.8	476.8	468.3	488.7	488.7	496.5
27.5°	437.5	433.1	426.4	413.8	398.2	395.6	425.7	429.4	437.9
30°	348.5	345.6	341.9	330.4	317.4	322.2	363.7	370.1	379.7
32.5°	269.2	267.3	266.2	255.8	244.4	260.3	307.8	315.9	325.6
35°	203.2	199.1	202.1	194.3	183.9	203.9	256.2	263.3	271.1
37.5°	149.8	146.8	149.4	143.9	134.6	156.5	205.8	210.2	215.4
40°	107.5	104.9	107.2	103.8	96.4	116.8	161.3	166.1	168.3
42.5°	76.4	71.9	74.2	71.6	67.9	87.9	126.8	131.3	132.0
45°	48.2	46.7	48.2	46.7	46.0	65.3	100.1	104.2	106.0
47.5°	29.3	27.4	27.4	26.7	27.4	48.2	82.7	88.6	91.6
50°	16.7	15.9	15.6	15.2	16.7	37.8	71.6	78.2	81.9
52.5°	11.1	10.8	10.8	10.4	12.2	31.9	64.5	70.5	74.2
55°	8.2	7.8	7.8	7.8	9.6	27.4	59.3	64.1	67.5
57.5°	6.3	6.3	6.3	5.9	8.2	23.4	53.0	55.6	58.2
60°	5.2	4.8	4.8	4.8	6.7	20.0	45.6	46.7	48.2
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	33.4
67.5°	3.0	3.0	3.0	3.0	4.1	13.3	27.1	26.7	27.4
70°	2.6	2.6	2.6	2.6	3.3	11.1	21.9	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	14.5
77.5°	1.5	1.5	1.5	1.5	1.9	5.6	10.8	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)