

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: FAIL-SAFE

Report Number: P364445

Luminaire Tested: **FLD6BX10D010-FEU6B12-8027-F6LBXVM1-LI-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364445
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-42)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX10D010-FEU6B12-8027-F6LBXVM1-LI-BL89BW
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,
BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 709.0 lumens
Efficiency: N/A
Efficacy: 70.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

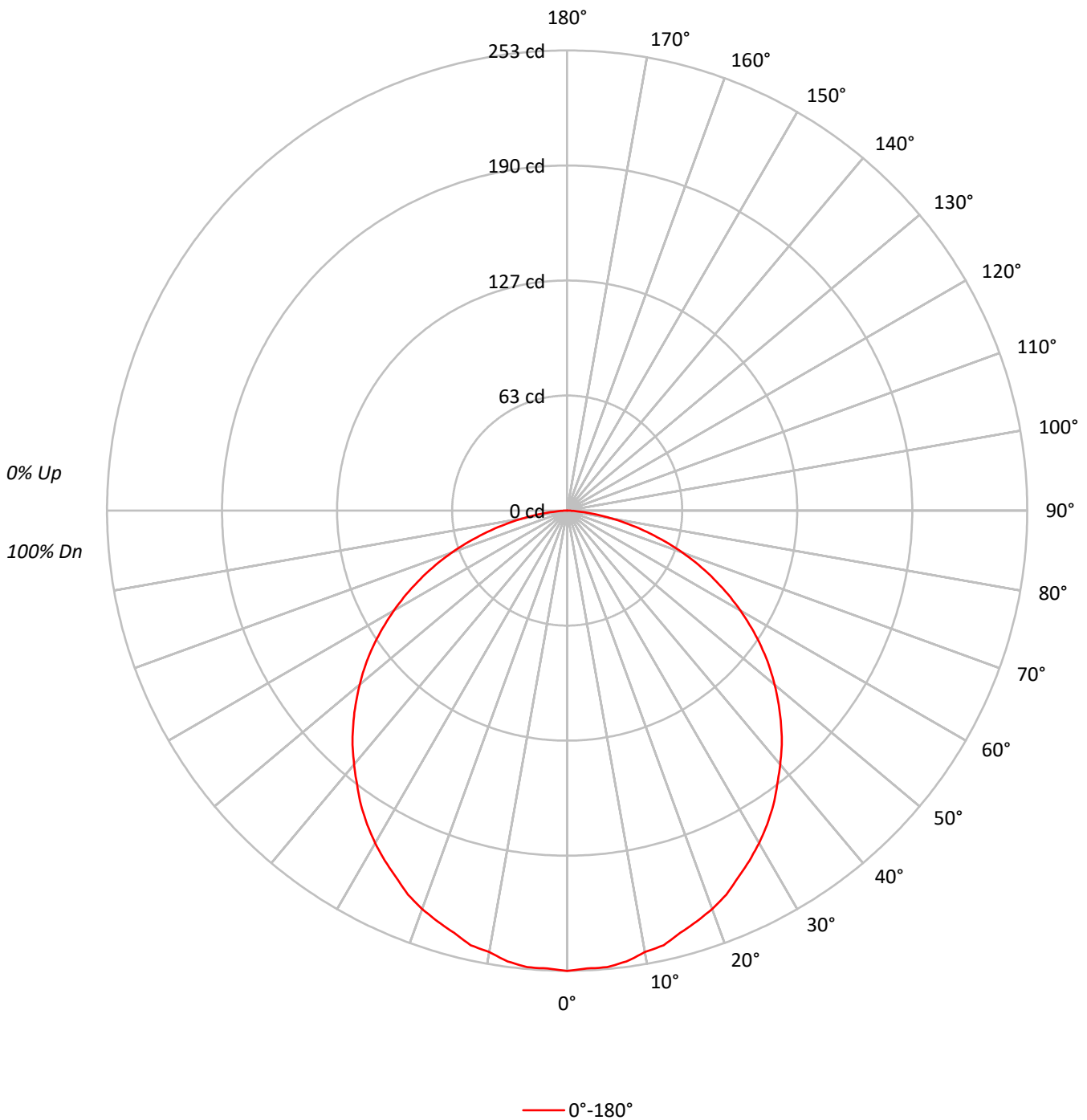
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	95	98	94	92	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75	82	78	74	79	75	72	70
3	90	80	71	65	88	78	70	64	75	69	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38
7	65	51	43	36	63	51	42	36	49	41	36	48	41	36	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	44	37	32	42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	26	52	39	32	26	38	31	26	37	31	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	6913
5°	6910
10°	6837
15°	6795
20°	6776
25°	6706
30°	6658
35°	6592
40°	6497
45°	6428
50°	6328
55°	6205
60°	6009
65°	5759
70°	5383
75°	4791
80°	3838
85°	2382



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.9	3.4
10°-20°	68.0	9.6
20°-30°	102.7	14.5
30°-40°	123.5	17.4
40°-50°	128.3	18.1
50°-60°	116.3	16.4
60°-70°	88.0	12.4
70°-80°	48.1	6.8
80°-90°	10.2	1.4
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°	194.5	27.4
0°-40°	318.0	44.9
0°-60°	562.6	79.4
0°-90°	709.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	709.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	253	
5°	252	24
15°	240	68
25°	222	103
35°	198	124
45°	166	128
55°	130	116
65°	89	88
75°	45	48
85°	8	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	253.1
2.5°	252.0
5°	252.0
7.5°	250.0
10°	246.5
12.5°	244.8
15°	240.3
17.5°	236.9
20°	233.1
22.5°	228.6
25°	222.5
27.5°	217.0
30°	211.1
32.5°	204.6
35°	197.7
37.5°	189.8
40°	182.2
42.5°	174.7
45°	166.4
47.5°	157.8
50°	148.9
52.5°	139.9
55°	130.3
57.5°	120.3
60°	110.0
62.5°	99.7
65°	89.1
67.5°	78.4
70°	67.4
72.5°	56.4
75°	45.4
77.5°	34.7
80°	24.4
82.5°	15.5
85°	7.6
87.5°	2.4
90°	0.0

(END OF REPORT)