

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: P366027

Luminaire Tested: **FLD6BX15D010-FEU6B12-8040-F6LBXVM1-WMH-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366027
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-48)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX15D010-FEU6B12-8040-F6LBXVM1-WMH-BL89AM
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 562.0 lumens
Efficiency: N/A
Efficacy: 39.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

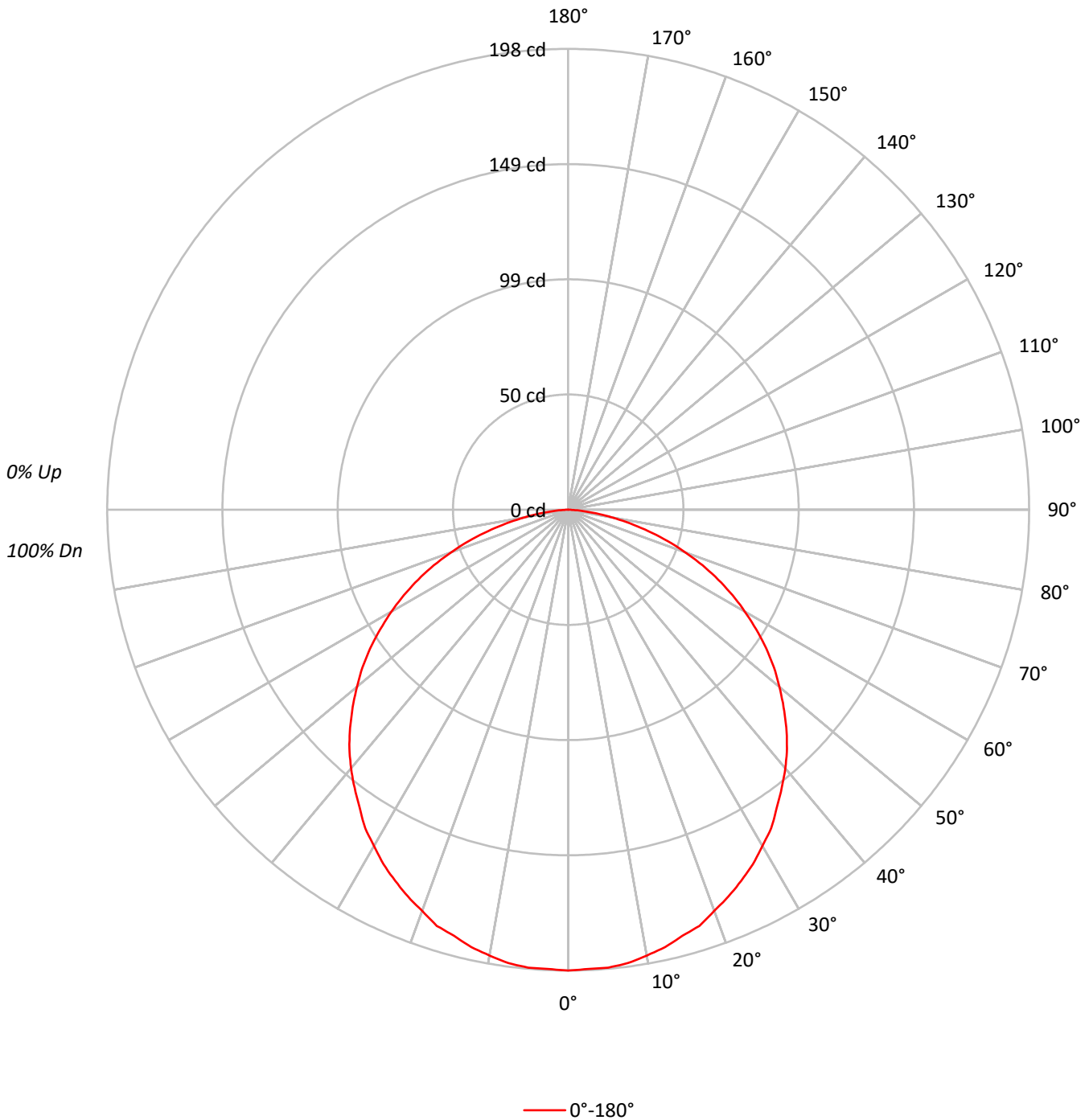
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	70	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	42	36	63	50	42	36	49	41	36	47	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	33	29	39	33	29	27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	5408
5°	5415
10°	5395
15°	5359
20°	5331
25°	5301
30°	5261
35°	5209
40°	5174
45°	5118
50°	5031
55°	4943
60°	4791
65°	4595
70°	4265
75°	3778
80°	3004
85°	1724



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.8	3.3
10°-20°	53.6	9.5
20°-30°	81.1	14.4
30°-40°	97.9	17.4
40°-50°	102.1	18.2
50°-60°	92.6	16.5
60°-70°	70.2	12.5
70°-80°	38.0	6.8
80°-90°	7.8	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°	153.4	27.3
0°-40°	251.3	44.7
0°-60°	446.0	79.4
0°-90°	562.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	562.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	198	
5°	198	19
15°	190	54
25°	176	81
35°	156	98
45°	132	102
55°	104	93
65°	71	70
75°	36	38
85°	6	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	198.0
2.5°	197.5
5°	197.5
7.5°	196.5
10°	194.5
12.5°	192.5
15°	189.5
17.5°	187.5
20°	183.4
22.5°	179.9
25°	175.9
27.5°	171.8
30°	166.8
32.5°	162.3
35°	156.2
37.5°	150.7
40°	145.1
42.5°	139.1
45°	132.5
47.5°	125.5
50°	118.4
52.5°	111.4
55°	103.8
57.5°	95.7
60°	87.7
62.5°	79.6
65°	71.1
67.5°	62.5
70°	53.4
72.5°	44.8
75°	35.8
77.5°	27.2
80°	19.1
82.5°	12.1
85°	5.5
87.5°	1.5
90°	0.0

(END OF REPORT)