

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: P366047

Luminaire Tested: **FLD6BX15D010-FEU6B12-8050-F6LBXVM1-WMH-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366047
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-46)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX15D010-FEU6B12-8050-F6LBXVM1-WMH-BL89BW
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1041.1 lumens
Efficiency: N/A
Efficacy: 73.3 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

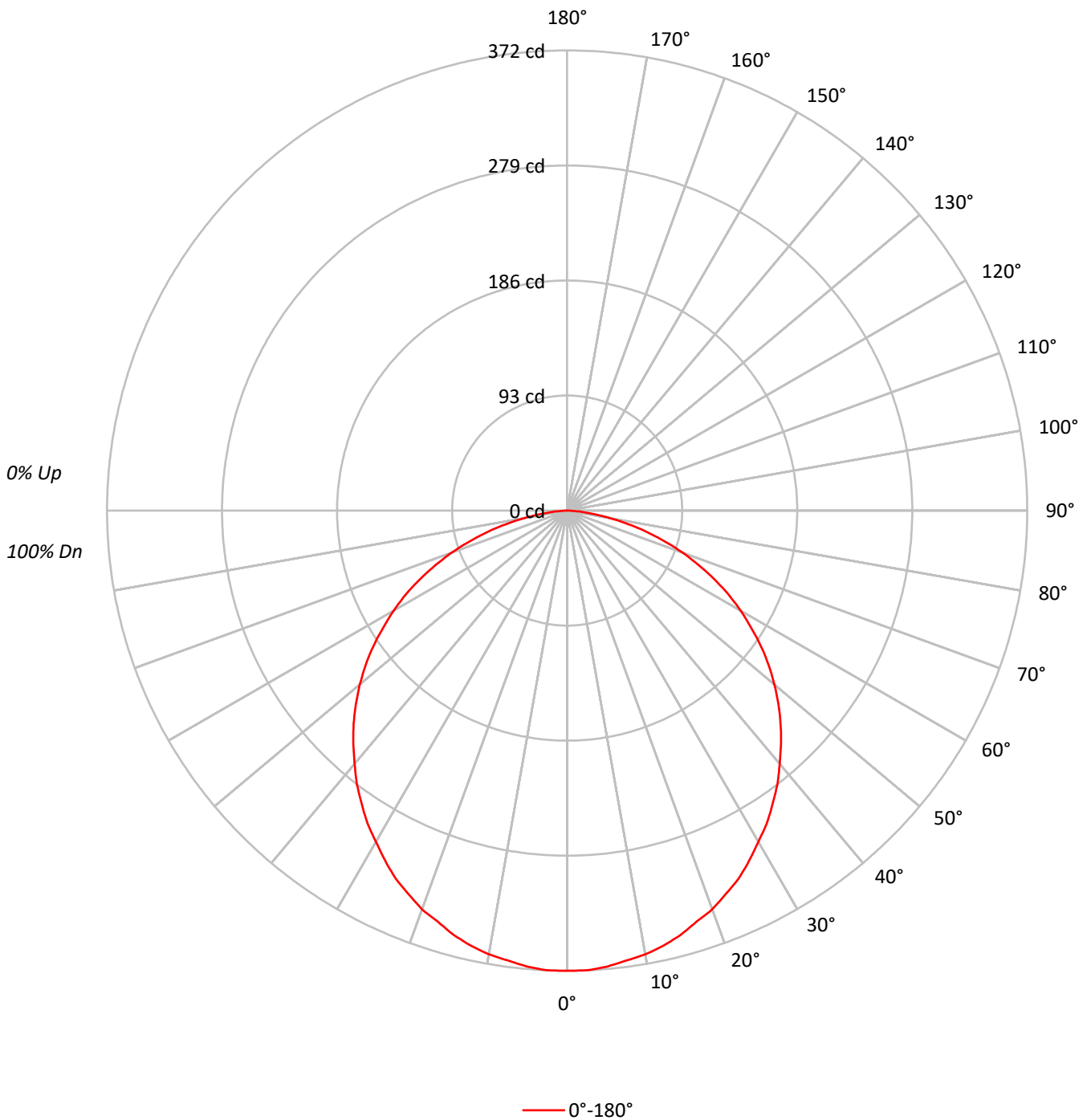
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	76		82	78	74		79	75	72	70
3	90	80	72	65	88	78	71	64	75	69	63		72	67	62		70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54		64	58	53		62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	47		58	51	46		56	50	46	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	35	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°	10161
5°	10145
10°	10104
15°	10039
20°	9973
25°	9892
30°	9749
35°	9654
40°	9531
45°	9429
50°	9298
55°	9115
60°	8850
65°	8473
70°	7915
75°	7029
80°	5600
85°	3385



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.1	3.4
10°-20°	100.1	9.6
20°-30°	151.0	14.5
30°-40°	181.2	17.4
40°-50°	188.2	18.1
50°-60°	170.8	16.4
60°-70°	129.6	12.4
70°-80°	70.4	6.8
80°-90°	14.7	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°	286.2	27.5
0°-40°	467.4	44.9
0°-60°	826.4	79.4
0°-90°	1041.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1041.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	372	
5°	370	35
15°	355	100
25°	328	151
35°	290	181
45°	244	188
55°	191	171
65°	131	130
75°	67	70
85°	11	15
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	372.0
2.5°	372.0
5°	370.0
7.5°	366.9
10°	364.3
12.5°	360.2
15°	355.0
17.5°	348.3
20°	343.1
22.5°	335.4
25°	328.2
27.5°	318.9
30°	309.1
32.5°	300.3
35°	289.5
37.5°	279.2
40°	267.3
42.5°	255.9
45°	244.1
47.5°	231.7
50°	218.8
52.5°	205.4
55°	191.4
57.5°	176.5
60°	162.0
62.5°	147.1
65°	131.1
67.5°	115.1
70°	99.1
72.5°	82.6
75°	66.6
77.5°	50.6
80°	35.6
82.5°	22.2
85°	10.8
87.5°	3.1
90°	0.0

(END OF REPORT)