

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: P365181

Luminaire Tested: **FLD6BX10D010-FEU6B12-8030-F6LBXVM1-MW-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365181
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-40)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX10D010-FEU6B12-8030-F6LBXVM1-MW-BL89AM
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 364.9 lumens
Efficiency: N/A
Efficacy: 36.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

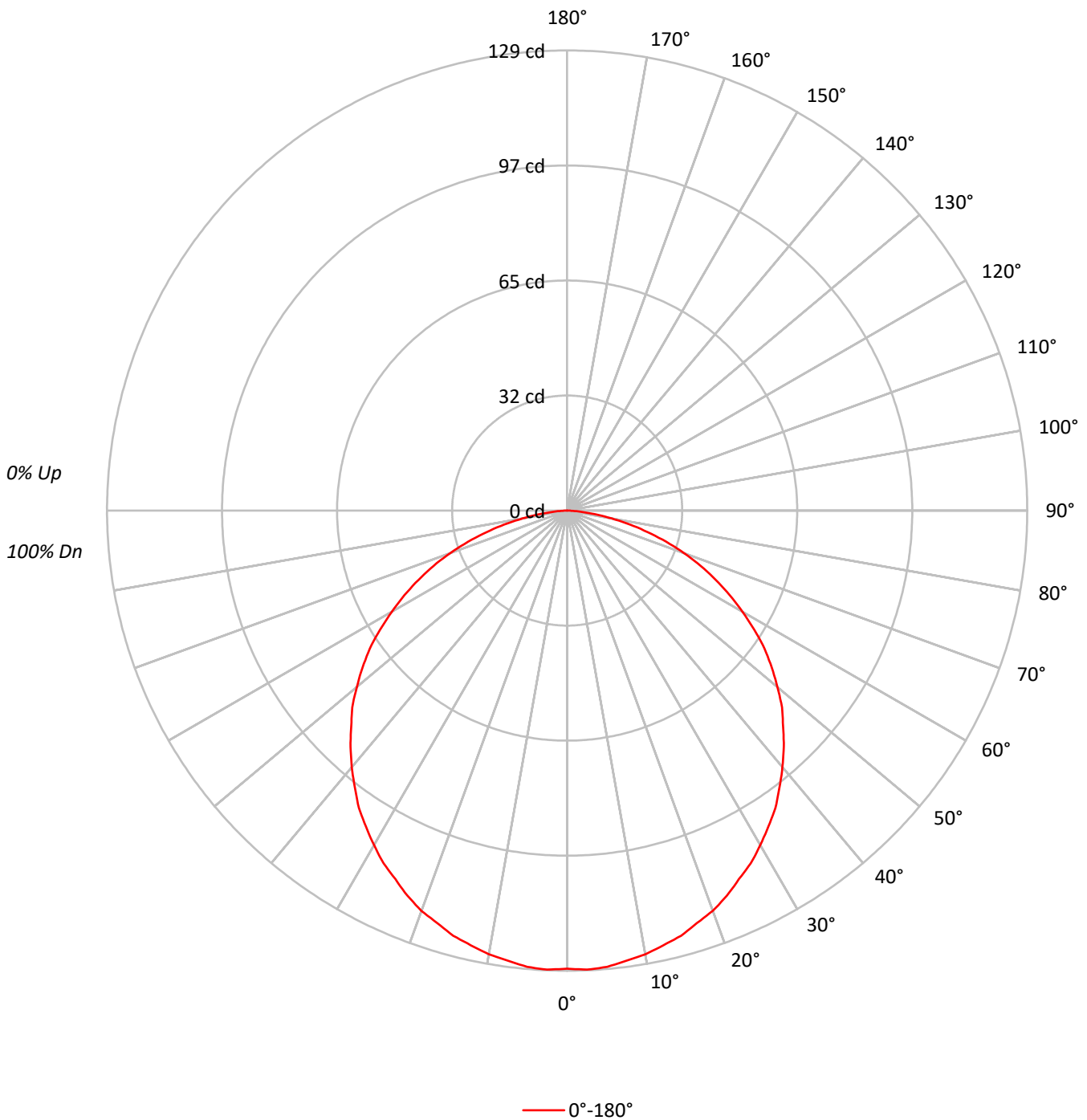
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	82	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		43	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°	3507
5°	3521
10°	3503
15°	3490
20°	3471
25°	3436
30°	3416
35°	3395
40°	3348
45°	3307
50°	3272
55°	3219
60°	3103
65°	2973
70°	2787
75°	2470
80°	1982
85°	1128



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.2	3.3
10°-20°	34.8	9.5
20°-30°	52.6	14.4
30°-40°	63.5	17.4
40°-50°	66.2	18.1
50°-60°	60.2	16.5
60°-70°	45.5	12.5
70°-80°	24.8	6.8
80°-90°	5.1	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°	99.6	27.3
0°-40°	163.1	44.7
0°-60°	289.5	79.3
0°-90°	364.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	364.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	128	
5°	128	12
15°	123	35
25°	114	53
35°	102	64
45°	86	66
55°	68	60
65°	46	45
75°	23	25
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	128.4
2.5°	128.8
5°	128.4
7.5°	127.3
10°	126.3
12.5°	124.8
15°	123.4
17.5°	121.2
20°	119.4
22.5°	116.9
25°	114.0
27.5°	111.5
30°	108.3
32.5°	105.0
35°	101.8
37.5°	97.8
40°	93.9
42.5°	89.9
45°	85.6
47.5°	81.7
50°	77.0
52.5°	72.3
55°	67.6
57.5°	62.2
60°	56.8
62.5°	51.4
65°	46.0
67.5°	40.6
70°	34.9
72.5°	29.1
75°	23.4
77.5°	18.0
80°	12.6
82.5°	7.9
85°	3.6
87.5°	1.1
90°	0.0

(END OF REPORT)