

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: P365919

Luminaire Tested: **FLD6BX10D010-FEU6B12-8035-F6LBXVM1-WMH-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365919
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: FLD6BX10D010-FEU6B12-8035-F6LBXVM1-WMH-BL89AM
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 408.9 lumens
Efficiency: N/A
Efficacy: 40.9 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

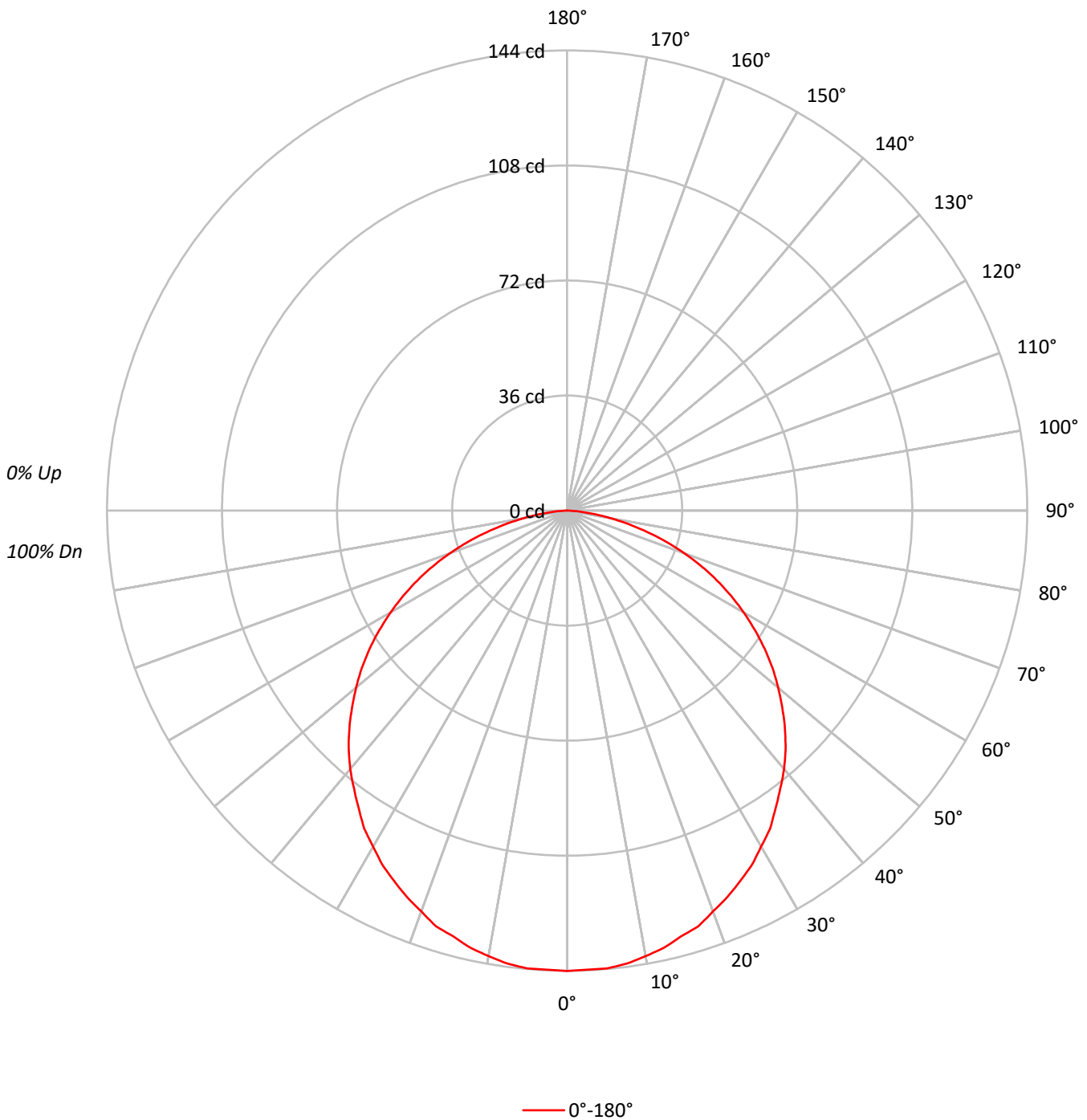
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	3936
5°	3943
10°	3928
15°	3900
20°	3881
25°	3858
30°	3829
35°	3791
40°	3765
45°	3724
50°	3663
55°	3596
60°	3485
65°	3342
70°	3107
75°	2744
80°	2187
85°	1254



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.7	3.3
10°-20°	39.0	9.5
20°-30°	59.0	14.4
30°-40°	71.2	17.4
40°-50°	74.3	18.2
50°-60°	67.4	16.5
60°-70°	51.1	12.5
70°-80°	27.6	6.8
80°-90°	5.7	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°	111.7	27.3
0°-40°	182.9	44.7
0°-60°	324.6	79.4
0°-90°	408.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	408.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	144	
5°	144	14
15°	138	39
25°	128	59
35°	114	71
45°	96	74
55°	76	67
65°	52	51
75°	26	28
85°	4	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	144.1
2.5°	143.8
5°	143.8
7.5°	143.0
10°	141.6
12.5°	140.1
15°	137.9
17.5°	136.4
20°	133.5
22.5°	130.9
25°	128.0
27.5°	125.1
30°	121.4
32.5°	118.1
35°	113.7
37.5°	109.6
40°	105.6
42.5°	101.2
45°	96.4
47.5°	91.3
50°	86.2
52.5°	81.0
55°	75.5
57.5°	69.7
60°	63.8
62.5°	57.9
65°	51.7
67.5°	45.5
70°	38.9
72.5°	32.6
75°	26.0
77.5°	19.8
80°	13.9
82.5°	8.8
85°	4.0
87.5°	1.1
90°	0.0

(END OF REPORT)