

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: P366099

Luminaire Tested: **FLD6BX20D010-FEU6B12-8035-F6LBXVM1-WMH-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366099
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: FLD6BX20D010-FEU6B12-8035-F6LBXVM1-WMH-BL89AM
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 766.0 lumens
Efficiency: N/A
Efficacy: 37.7 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

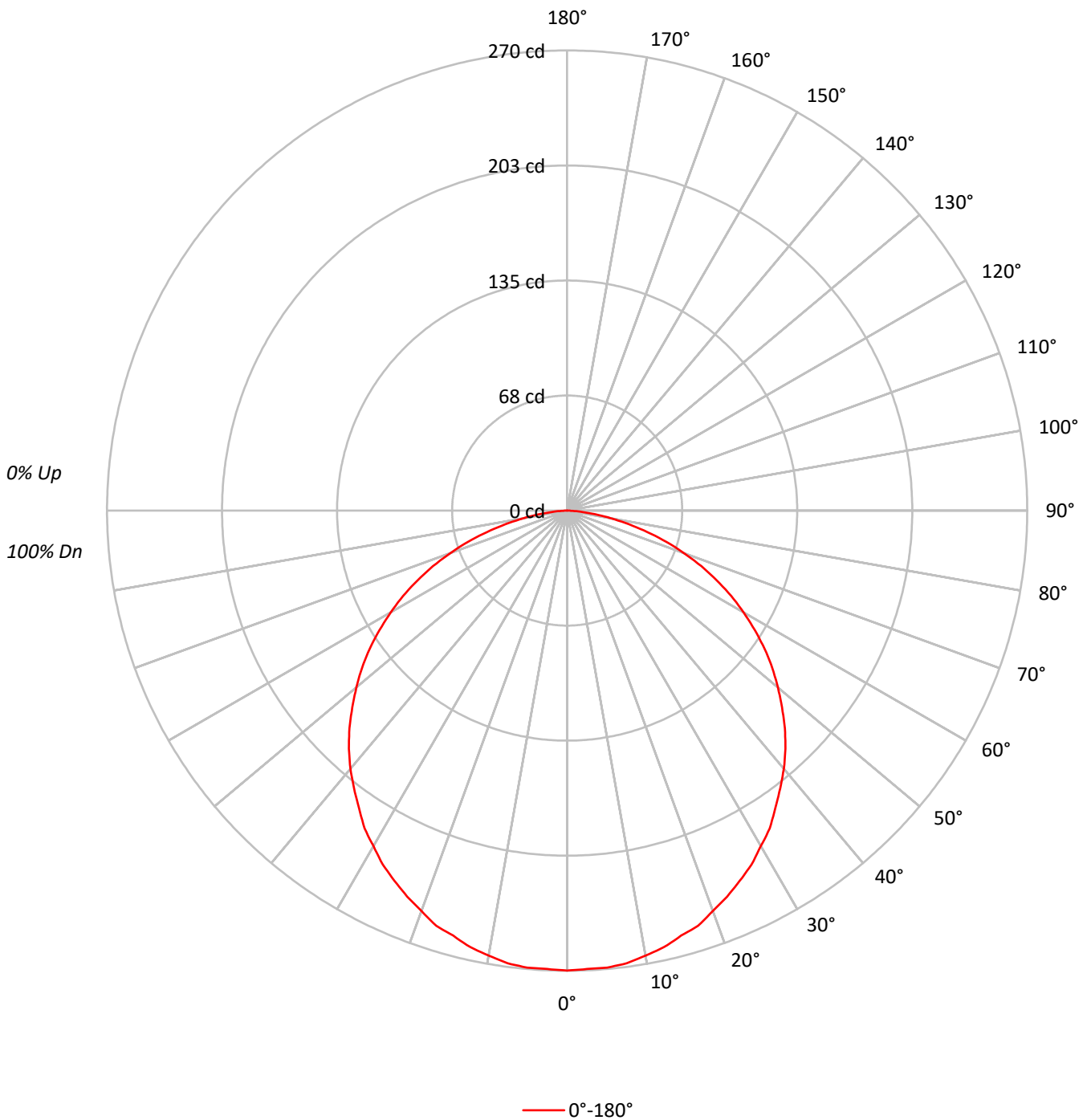
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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		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°	7372
5°	7381
10°	7353
15°	7302
20°	7267
25°	7224
30°	7169
35°	7099
40°	7053
45°	6977
50°	6859
55°	6739
60°	6528
65°	6257
70°	5814
75°	5150
80°	4106
85°	2382



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.6	3.3
10°-20°	73.0	9.5
20°-30°	110.5	14.4
30°-40°	133.4	17.4
40°-50°	139.2	18.2
50°-60°	126.2	16.5
60°-70°	95.7	12.5
70°-80°	51.8	6.8
80°-90°	10.7	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°	209.1	27.3
0°-40°	342.6	44.7
0°-60°	607.9	79.4
0°-90°	766.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	766.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	270	
5°	269	26
15°	258	73
25°	240	111
35°	213	133
45°	181	139
55°	142	126
65°	97	96
75°	49	52
85°	8	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	269.9
2.5°	269.2
5°	269.2
7.5°	267.9
10°	265.1
12.5°	262.4
15°	258.2
17.5°	255.5
20°	250.0
22.5°	245.2
25°	239.7
27.5°	234.2
30°	227.3
32.5°	221.2
35°	212.9
37.5°	205.4
40°	197.8
42.5°	189.6
45°	180.6
47.5°	171.0
50°	161.4
52.5°	151.8
55°	141.5
57.5°	130.5
60°	119.5
62.5°	108.5
65°	96.8
67.5°	85.2
70°	72.8
72.5°	61.1
75°	48.8
77.5°	37.1
80°	26.1
82.5°	16.5
85°	7.6
87.5°	2.1
90°	0.0

(END OF REPORT)