

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: P365397

Luminaire Tested: **FLD6BX20D010-FEU6B12-8040-F6LBXVM1-MW-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365397
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: FLD6BX20D010-FEU6B12-8040-F6LBXVM1-MW-BL89AM
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 704.0 lumens
Efficiency: N/A
Efficacy: 34.7 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

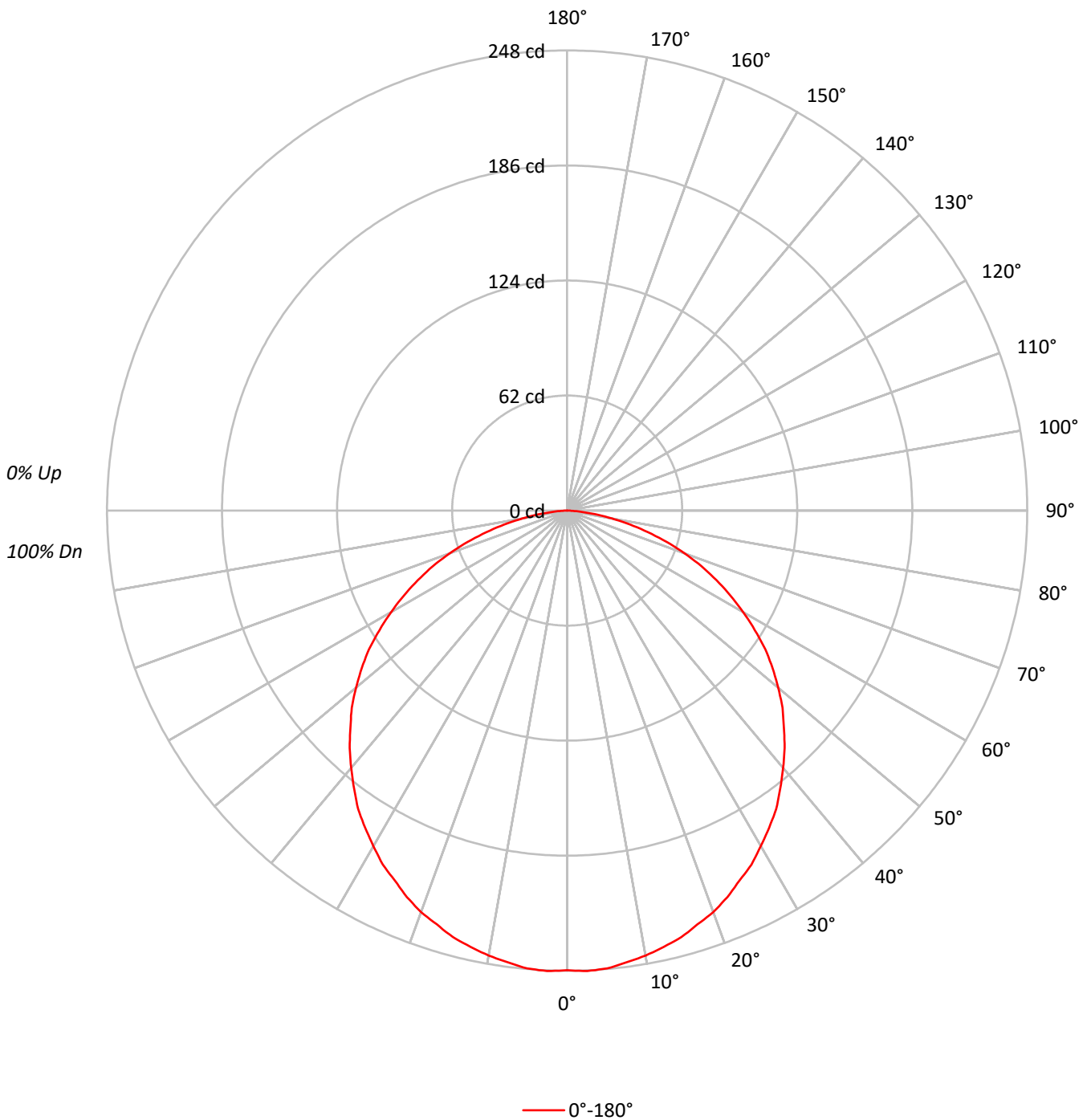
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	6766
5°	6792
10°	6754
15°	6730
20°	6694
25°	6628
30°	6586
35°	6549
40°	6458
45°	6378
50°	6311
55°	6210
60°	5988
65°	5739
70°	5375
75°	4760
80°	3822
85°	2163



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.5	3.3
10°-20°	67.1	9.5
20°-30°	101.5	14.4
30°-40°	122.6	17.4
40°-50°	127.6	18.1
50°-60°	116.1	16.5
60°-70°	87.8	12.5
70°-80°	47.9	6.8
80°-90°	9.9	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°	192.1	27.3
0°-40°	314.7	44.7
0°-60°	558.4	79.3
0°-90°	704.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	704.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	248	
5°	248	23
15°	238	67
25°	220	102
35°	196	123
45°	165	128
55°	130	116
65°	89	88
75°	45	48
85°	7	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	247.7
2.5°	248.4
5°	247.7
7.5°	245.6
10°	243.5
12.5°	240.8
15°	238.0
17.5°	233.8
20°	230.3
22.5°	225.5
25°	219.9
27.5°	215.1
30°	208.8
32.5°	202.6
35°	196.4
37.5°	188.7
40°	181.1
42.5°	173.5
45°	165.1
47.5°	157.5
50°	148.5
52.5°	139.5
55°	130.4
57.5°	120.0
60°	109.6
62.5°	99.2
65°	88.8
67.5°	78.4
70°	67.3
72.5°	56.2
75°	45.1
77.5°	34.7
80°	24.3
82.5°	15.3
85°	6.9
87.5°	2.1
90°	0.0

(END OF REPORT)