

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: P364643

Luminaire Tested: **FLD6BX20D010-FEU6B12-8030-F6LBXVM1-LI-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364643
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-42)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX20D010-FEU6B12-8030-F6LBXVM1-LI-BL89BW
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,
BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1387.0 lumens
Efficiency: N/A
Efficacy: 68.3 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

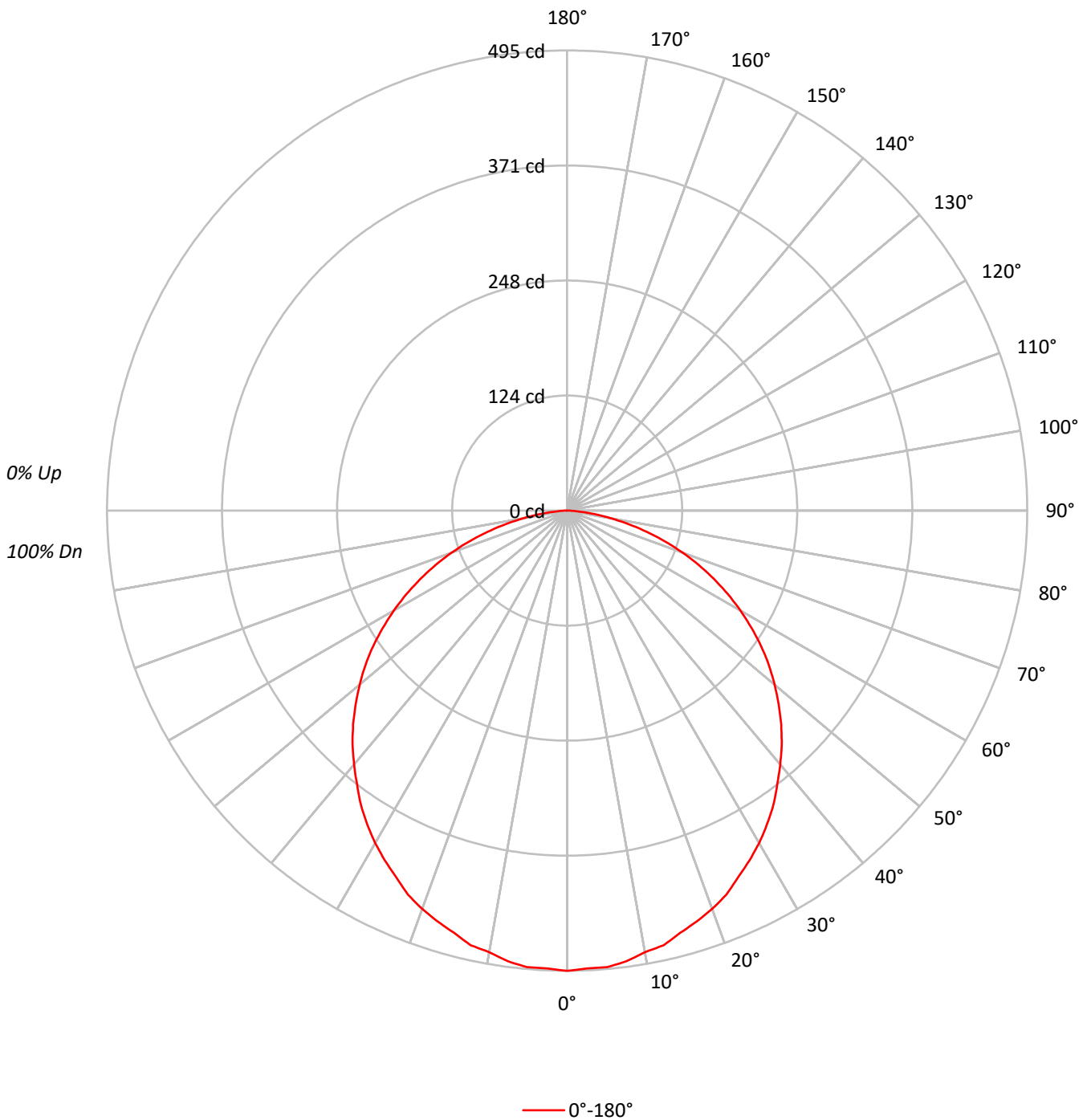
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	71	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	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	34	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°	13524
5°	13518
10°	13377
15°	13297
20°	13255
25°	13117
30°	13026
35°	12898
40°	12712
45°	12578
50°	12375
55°	12139
60°	11756
65°	11259
70°	10526
75°	9372
80°	7519
85°	4638



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.7	3.4
10°-20°	132.9	9.6
20°-30°	200.9	14.5
30°-40°	241.6	17.4
40°-50°	251.0	18.1
50°-60°	227.5	16.4
60°-70°	172.2	12.4
70°-80°	94.0	6.8
80°-90°	20.0	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°	380.6	27.4
0°-40°	622.2	44.9
0°-60°	1100.7	79.4
0°-90°	1387.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1387.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	495	
5°	493	47
15°	470	133
25°	435	201
35°	387	242
45°	326	251
55°	255	228
65°	174	172
75°	89	94
85°	15	20
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	495.1
2.5°	493.0
5°	493.0
7.5°	489.0
10°	482.3
12.5°	478.9
15°	470.2
17.5°	463.4
20°	456.0
22.5°	447.3
25°	435.2
27.5°	424.4
30°	413.0
32.5°	400.2
35°	386.8
37.5°	371.3
40°	356.5
42.5°	341.7
45°	325.6
47.5°	308.7
50°	291.2
52.5°	273.8
55°	254.9
57.5°	235.4
60°	215.2
62.5°	195.1
65°	174.2
67.5°	153.4
70°	131.8
72.5°	110.3
75°	88.8
77.5°	67.9
80°	47.8
82.5°	30.3
85°	14.8
87.5°	4.7
90°	0.0

(END OF REPORT)