

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: P364623

Luminaire Tested: **FLD6BX20D010-FEU6B12-8027-F6LBXVM1-LI-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364623
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-44)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX20D010-FEU6B12-8027-F6LBXVM1-LI-BL89AM
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,
BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 739.0 lumens
Efficiency: N/A
Efficacy: 36.4 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

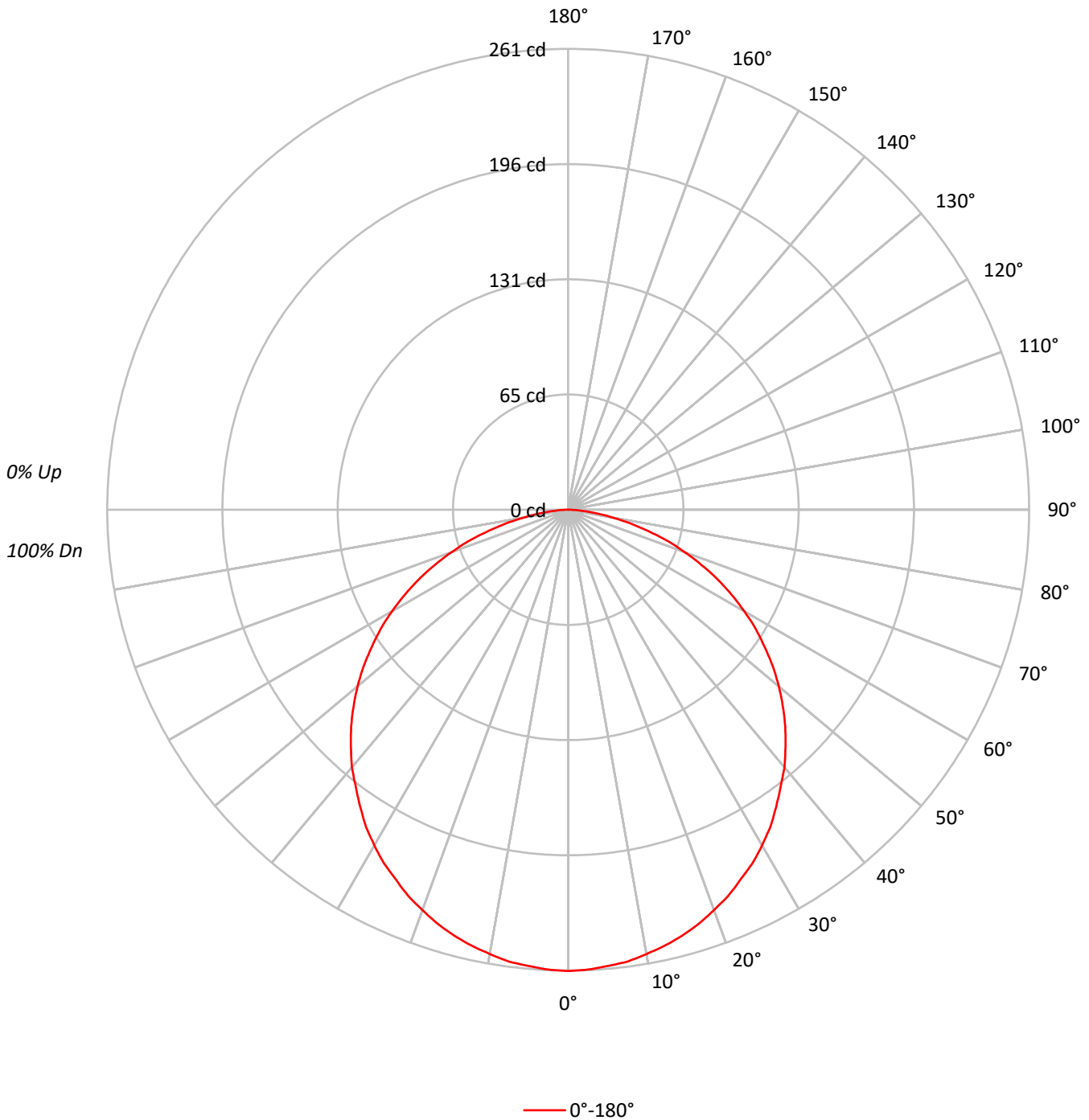
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	94	98	94	91		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	68	63		72	67	62		70	65	61	59
4	82	70	62	55	80	69	61	54	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°	7137
5°	7113
10°	7087
15°	7061
20°	7014
25°	6962
30°	6923
35°	6846
40°	6793
45°	6714
50°	6616
55°	6467
60°	6293
65°	6030
70°	5606
75°	4960
80°	4043
85°	2633



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.7	3.3
10°-20°	70.4	9.5
20°-30°	106.6	14.4
30°-40°	128.6	17.4
40°-50°	134.0	18.1
50°-60°	121.5	16.4
60°-70°	92.0	12.5
70°-80°	50.1	6.8
80°-90°	11.0	1.5
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°	201.7	27.3
0°-40°	330.3	44.7
0°-60°	585.8	79.3
0°-90°	739.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	739.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	261	
5°	259	25
15°	250	70
25°	231	107
35°	205	129
45°	174	134
55°	136	122
65°	93	92
75°	47	50
85°	8	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	261.3
2.5°	260.7
5°	259.4
7.5°	258.1
10°	255.5
12.5°	252.9
15°	249.7
17.5°	245.9
20°	241.3
22.5°	236.8
25°	231.0
27.5°	225.9
30°	219.5
32.5°	213.0
35°	205.3
37.5°	197.6
40°	190.5
42.5°	182.1
45°	173.8
47.5°	164.8
50°	155.7
52.5°	146.1
55°	135.8
57.5°	126.1
60°	115.2
62.5°	104.3
65°	93.3
67.5°	81.7
70°	70.2
72.5°	59.2
75°	47.0
77.5°	36.0
80°	25.7
82.5°	16.1
85°	8.4
87.5°	3.2
90°	0.0

(END OF REPORT)