

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: P364697

Luminaire Tested: **FLD6BX20D010-FEU6B12-8050-F6LBXVM1-LI-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364697
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-FEU6B12-8050-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: 1464.0 lumens
Efficiency: N/A
Efficacy: 72.1 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

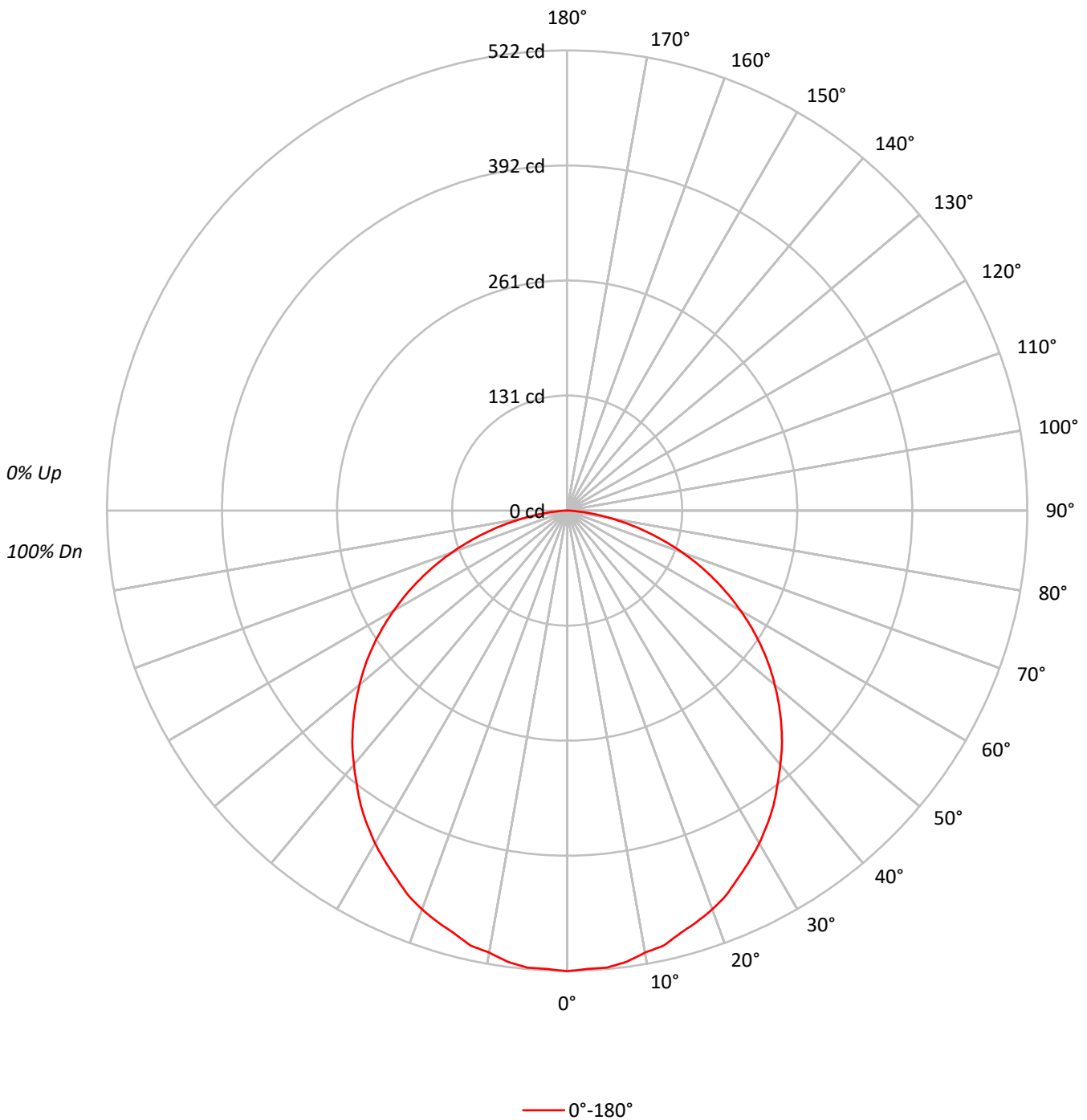
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	14272
5°	14269
10°	14121
15°	14035
20°	13993
25°	13846
30°	13749
35°	13612
40°	13418
45°	13273
50°	13063
55°	12815
60°	12412
65°	11886
70°	11117
75°	9889
80°	7928
85°	4889



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.3	3.4
10°-20°	140.3	9.6
20°-30°	212.1	14.5
30°-40°	255.0	17.4
40°-50°	264.9	18.1
50°-60°	240.2	16.4
60°-70°	181.8	12.4
70°-80°	99.3	6.8
80°-90°	21.1	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°	401.7	27.4
0°-40°	656.7	44.9
0°-60°	1161.8	79.4
0°-90°	1464.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1464.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	522	
5°	520	49
15°	496	140
25°	459	212
35°	408	255
45°	344	265
55°	269	240
65°	184	182
75°	94	99
85°	16	21
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	522.5
2.5°	520.4
5°	520.4
7.5°	516.2
10°	509.1
12.5°	505.5
15°	496.3
17.5°	489.2
20°	481.4
22.5°	472.1
25°	459.4
27.5°	448.0
30°	435.9
32.5°	422.4
35°	408.2
37.5°	391.9
40°	376.3
42.5°	360.7
45°	343.6
47.5°	325.9
50°	307.4
52.5°	289.0
55°	269.1
57.5°	248.5
60°	227.2
62.5°	205.9
65°	183.9
67.5°	161.9
70°	139.2
72.5°	116.4
75°	93.7
77.5°	71.7
80°	50.4
82.5°	31.9
85°	15.6
87.5°	5.0
90°	0.0

(END OF REPORT)