

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: P364715

Luminaire Tested: **FLD6BX30D010-FEU6B35-8027-F6LBXVM1-LI-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364715
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: FLD6BX30D010-FEU6B35-8027-F6LBXVM1-LI-BL89BW
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,
BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1934.0 lumens
Efficiency: N/A
Efficacy: 71.6 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

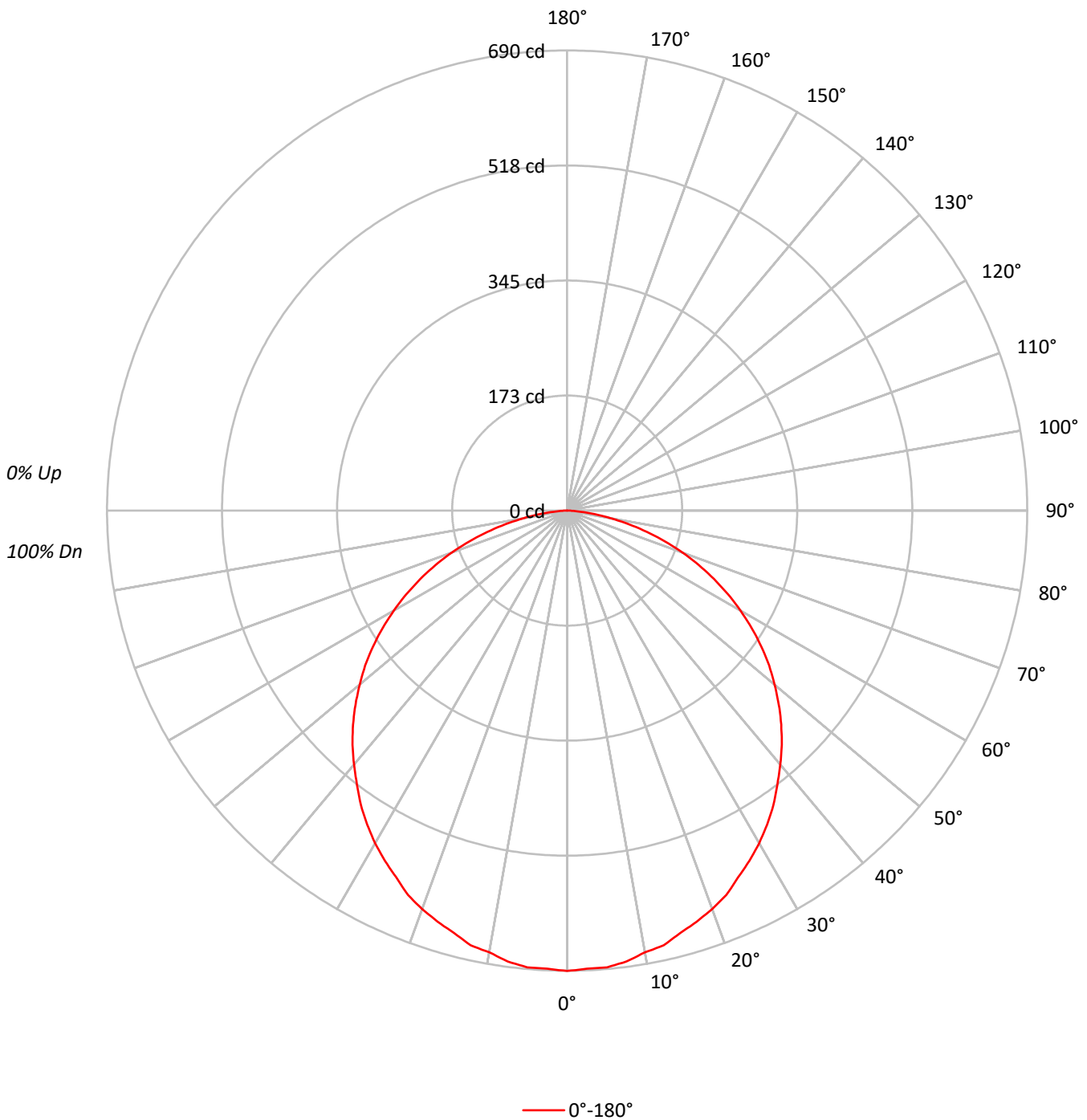
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	18856
5°	18851
10°	18653
15°	18540
20°	18485
25°	18288
30°	18164
35°	17983
40°	17725
45°	17534
50°	17257
55°	16930
60°	16395
65°	15699
70°	14679
75°	13066
80°	10476
85°	6456



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.1	3.4
10°-20°	185.4	9.6
20°-30°	280.1	14.5
30°-40°	336.9	17.4
40°-50°	350.0	18.1
50°-60°	317.3	16.4
60°-70°	240.1	12.4
70°-80°	131.1	6.8
80°-90°	27.9	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°	530.6	27.4
0°-40°	867.6	44.9
0°-60°	1534.8	79.4
0°-90°	1934.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1934.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	690	
5°	688	65
15°	656	185
25°	607	280
35°	539	337
45°	454	350
55°	356	317
65°	243	240
75°	124	131
85°	21	28
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	690.3
2.5°	687.5
5°	687.5
7.5°	681.9
10°	672.5
12.5°	667.8
15°	655.6
17.5°	646.2
20°	635.9
22.5°	623.7
25°	606.8
27.5°	591.8
30°	575.9
32.5°	558.1
35°	539.3
37.5°	517.7
40°	497.1
42.5°	476.5
45°	453.9
47.5°	430.5
50°	406.1
52.5°	381.7
55°	355.5
57.5°	328.3
60°	300.1
62.5°	272.0
65°	242.9
67.5°	213.8
70°	183.8
72.5°	153.8
75°	123.8
77.5°	94.7
80°	66.6
82.5°	42.2
85°	20.6
87.5°	6.6
90°	0.0

(END OF REPORT)