

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: P366155

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366155
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-46)
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-WMH-BL89BW
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1892.0 lumens
Efficiency: N/A
Efficacy: 70.1 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

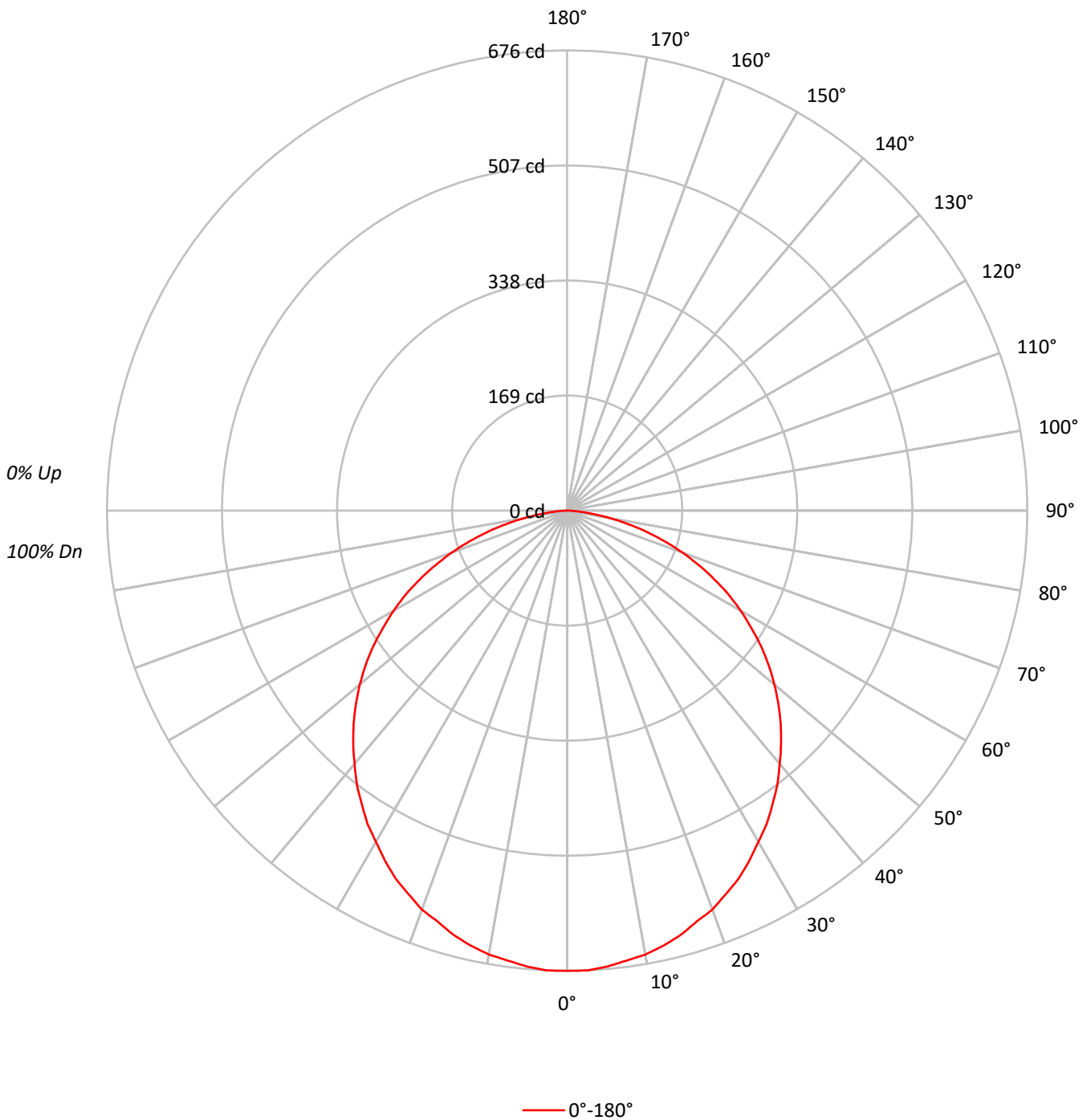
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	76		82	78	74		79	75	72	70
3	90	80	72	65	88	78	71	64	75	69	63		72	67	62		70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54		64	58	53		62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	47		58	51	46		56	50	46	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	35	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°	18471
5°	18437
10°	18364
15°	18246
20°	18127
25°	17975
30°	17717
35°	17543
40°	17322
45°	17136
50°	16896
55°	16568
60°	16089
65°	15396
70°	14384
75°	12770
80°	10177
85°	6174



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.8	3.4
10°-20°	181.9	9.6
20°-30°	274.4	14.5
30°-40°	329.4	17.4
40°-50°	342.1	18.1
50°-60°	310.4	16.4
60°-70°	235.5	12.4
70°-80°	127.9	6.8
80°-90°	26.6	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°	520.1	27.5
0°-40°	849.5	44.9
0°-60°	1502.0	79.4
0°-90°	1892.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1892.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	676	
5°	672	64
15°	645	182
25°	596	274
35°	526	329
45°	444	342
55°	348	310
65°	238	235
75°	121	128
85°	20	27
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	676.2
2.5°	676.2
5°	672.4
7.5°	666.8
10°	662.1
12.5°	654.6
15°	645.2
17.5°	633.0
20°	623.6
22.5°	609.6
25°	596.4
27.5°	579.6
30°	561.7
32.5°	545.8
35°	526.1
37.5°	507.4
40°	485.8
42.5°	465.2
45°	443.6
47.5°	421.1
50°	397.6
52.5°	373.2
55°	347.9
57.5°	320.7
60°	294.5
62.5°	267.3
65°	238.2
67.5°	209.1
70°	180.1
72.5°	150.0
75°	121.0
77.5°	91.9
80°	64.7
82.5°	40.3
85°	19.7
87.5°	5.6
90°	0.0

(END OF REPORT)