

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: P365435

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365435
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-35)
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-MW-BL89BW
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1691.1 lumens
Efficiency: N/A
Efficacy: 62.6 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

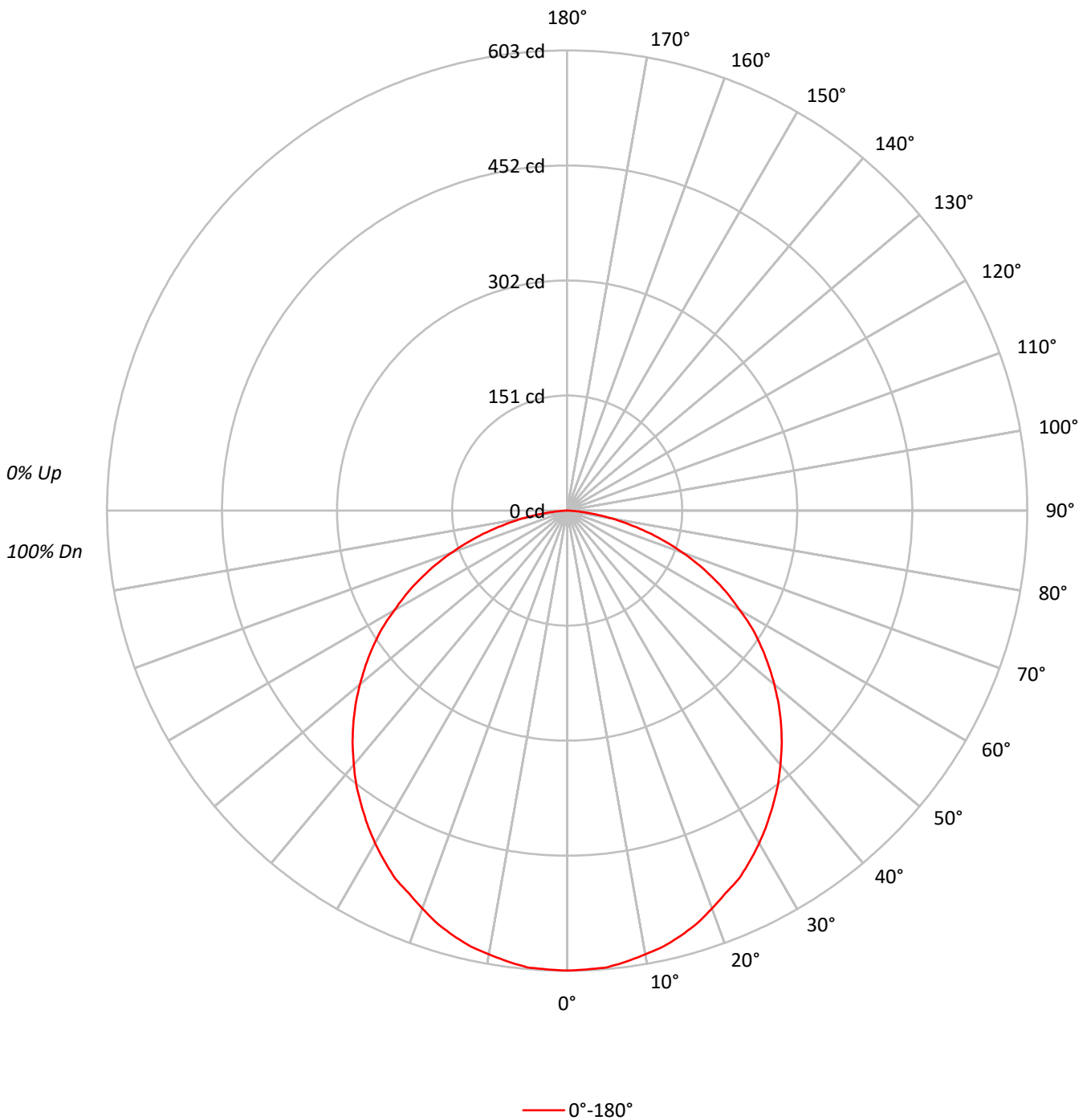
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	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	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°	16463
5°	16474
10°	16378
15°	16303
20°	16130
25°	16046
30°	15875
35°	15689
40°	15507
45°	15317
50°	15056
55°	14777
60°	14286
65°	13754
70°	12874
75°	11472
80°	9297
85°	5579



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.0	3.4
10°-20°	162.6	9.6
20°-30°	244.9	14.5
30°-40°	294.5	17.4
40°-50°	305.7	18.1
50°-60°	277.0	16.4
60°-70°	210.2	12.4
70°-80°	115.0	6.8
80°-90°	24.1	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°	464.5	27.5
0°-40°	759.0	44.9
0°-60°	1341.7	79.3
0°-90°	1691.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1691.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	603	
5°	601	57
15°	576	163
25°	532	245
35°	470	295
45°	396	306
55°	310	277
65°	213	210
75°	109	115
85°	18	24
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	602.7
2.5°	601.8
5°	600.8
7.5°	596.1
10°	590.5
12.5°	584.9
15°	576.5
17.5°	567.1
20°	554.9
22.5°	542.7
25°	532.4
27.5°	518.3
30°	503.3
32.5°	487.4
35°	470.5
37.5°	453.7
40°	434.9
42.5°	416.2
45°	396.5
47.5°	375.9
50°	354.3
52.5°	332.7
55°	310.3
57.5°	287.8
60°	261.5
62.5°	238.1
65°	212.8
67.5°	187.5
70°	161.2
72.5°	135.0
75°	108.7
77.5°	82.5
80°	59.1
82.5°	36.6
85°	17.8
87.5°	4.7
90°	0.0

(END OF REPORT)