

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: P365451

Luminaire Tested: **FLD6BX30D010-FEU6B35-8030-F6LBXVM1-MW-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365451
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-40)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX30D010-FEU6B35-8030-F6LBXVM1-MW-BL89AM
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 994.9 lumens
Efficiency: N/A
Efficacy: 36.8 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

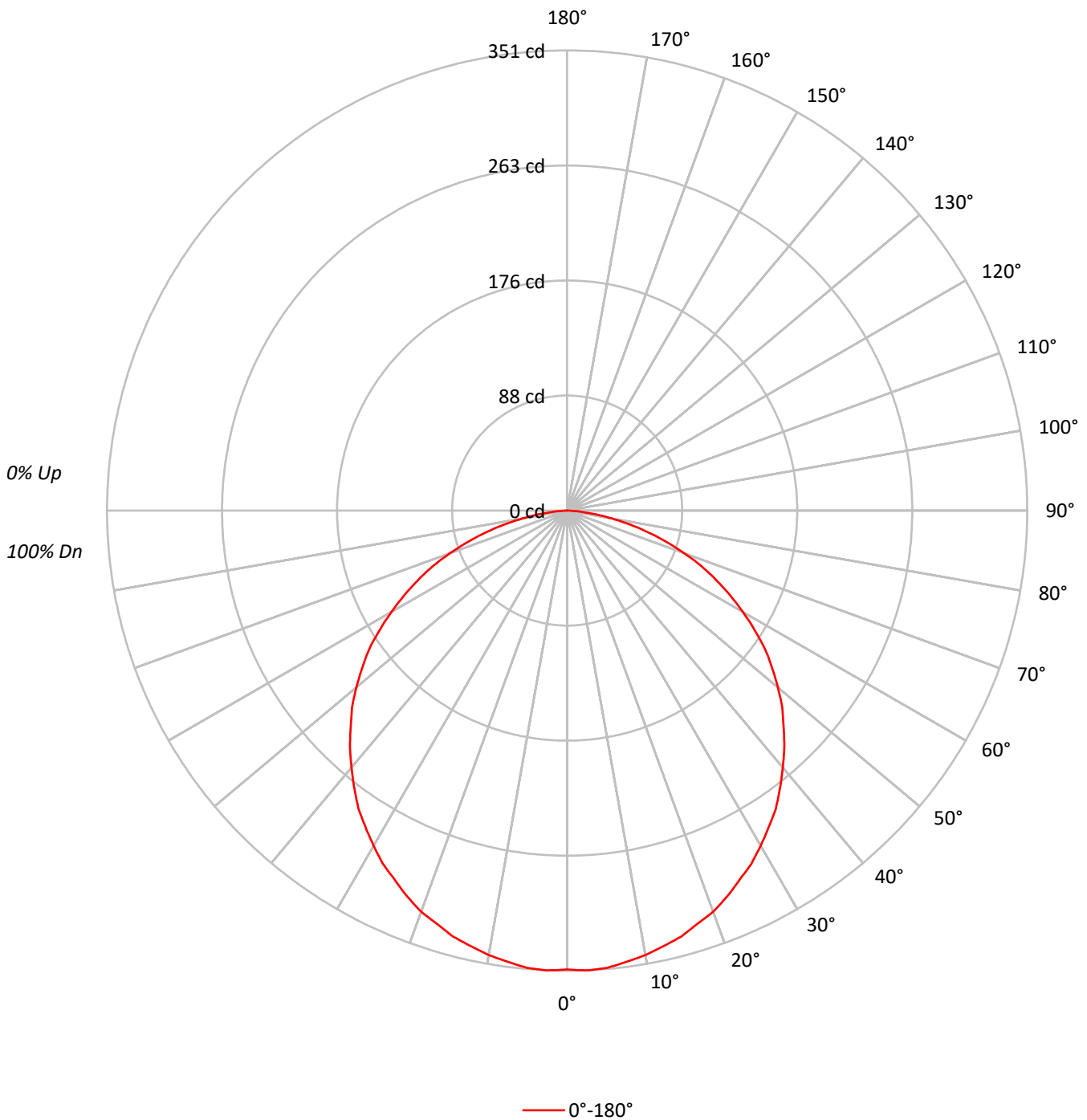
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	82	70	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	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°	9563
5°	9600
10°	9547
15°	9510
20°	9465
25°	9370
30°	9311
35°	9253
40°	9125
45°	9016
50°	8915
55°	8782
60°	8462
65°	8111
70°	7595
75°	6723
80°	5395
85°	3071



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.2	3.3
10°-20°	94.8	9.5
20°-30°	143.5	14.4
30°-40°	173.2	17.4
40°-50°	180.4	18.1
50°-60°	164.0	16.5
60°-70°	124.1	12.5
70°-80°	67.7	6.8
80°-90°	14.0	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°	271.6	27.3
0°-40°	444.8	44.7
0°-60°	789.2	79.3
0°-90°	994.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	994.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	350	
5°	350	33
15°	336	95
25°	311	144
35°	278	173
45°	233	180
55°	184	164
65°	126	124
75°	64	68
85°	10	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	350.1
2.5°	351.1
5°	350.1
7.5°	347.1
10°	344.2
12.5°	340.3
15°	336.3
17.5°	330.5
20°	325.6
22.5°	318.7
25°	310.9
27.5°	304.0
30°	295.2
32.5°	286.3
35°	277.5
37.5°	266.7
40°	255.9
42.5°	245.2
45°	233.4
47.5°	222.6
50°	209.8
52.5°	197.1
55°	184.4
57.5°	169.6
60°	154.9
62.5°	140.2
65°	125.5
67.5°	110.8
70°	95.1
72.5°	79.4
75°	63.7
77.5°	49.0
80°	34.3
82.5°	21.6
85°	9.8
87.5°	2.9
90°	0.0

(END OF REPORT)