

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: P365505

Luminaire Tested: **FLD6BX30D010-FEU6B35-8050-F6LBXVM1-MW-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365505
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-FEU6B35-8050-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: 1051.0 lumens
Efficiency: N/A
Efficacy: 38.9 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

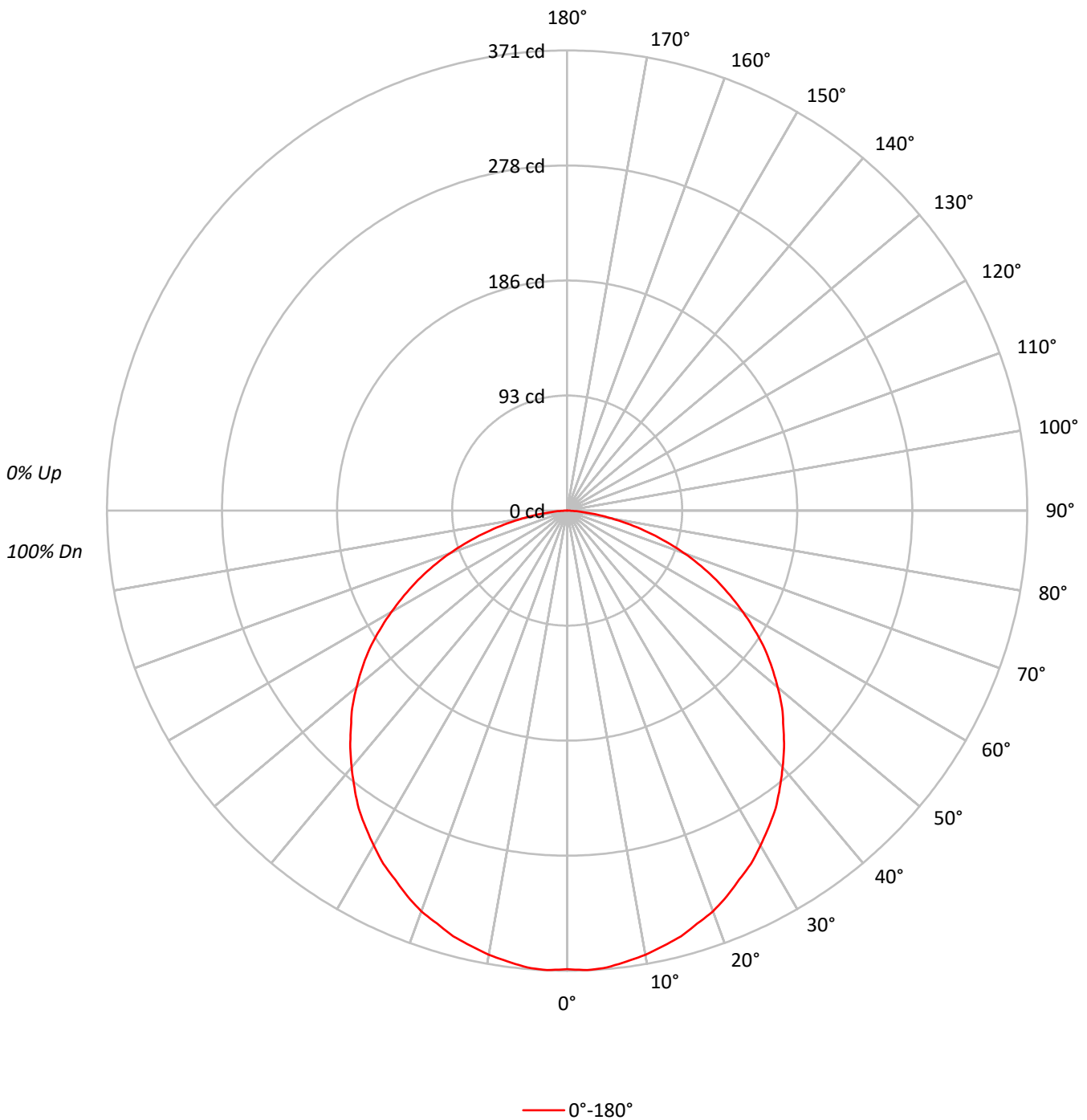
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	10101
5°	10140
10°	10085
15°	10047
20°	9997
25°	9895
30°	9834
35°	9774
40°	9638
45°	9522
50°	9421
55°	9272
60°	8943
65°	8570
70°	8026
75°	7103
80°	5710
85°	3259



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.1	3.3
10°-20°	100.2	9.5
20°-30°	151.6	14.4
30°-40°	183.0	17.4
40°-50°	190.5	18.1
50°-60°	173.3	16.5
60°-70°	131.1	12.5
70°-80°	71.5	6.8
80°-90°	14.8	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°	286.8	27.3
0°-40°	469.8	44.7
0°-60°	833.6	79.3
0°-90°	1051.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1051.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	370	
5°	370	35
15°	355	100
25°	328	152
35°	293	183
45°	246	190
55°	195	173
65°	133	131
75°	67	72
85°	10	15
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	369.8
2.5°	370.8
5°	369.8
7.5°	366.7
10°	363.6
12.5°	359.4
15°	355.3
17.5°	349.1
20°	343.9
22.5°	336.6
25°	328.3
27.5°	321.1
30°	311.8
32.5°	302.5
35°	293.1
37.5°	281.7
40°	270.3
42.5°	258.9
45°	246.5
47.5°	235.1
50°	221.7
52.5°	208.2
55°	194.7
57.5°	179.2
60°	163.7
62.5°	148.1
65°	132.6
67.5°	117.0
70°	100.5
72.5°	83.9
75°	67.3
77.5°	51.8
80°	36.3
82.5°	22.8
85°	10.4
87.5°	3.1
90°	0.0

(END OF REPORT)