

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: P365433

Luminaire Tested: **FLD6BX30D010-FEU6B35-8027-F6LBXVM1-MW-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365433
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-FEU6B35-8027-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: 952.0 lumens
Efficiency: N/A
Efficacy: 35.3 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

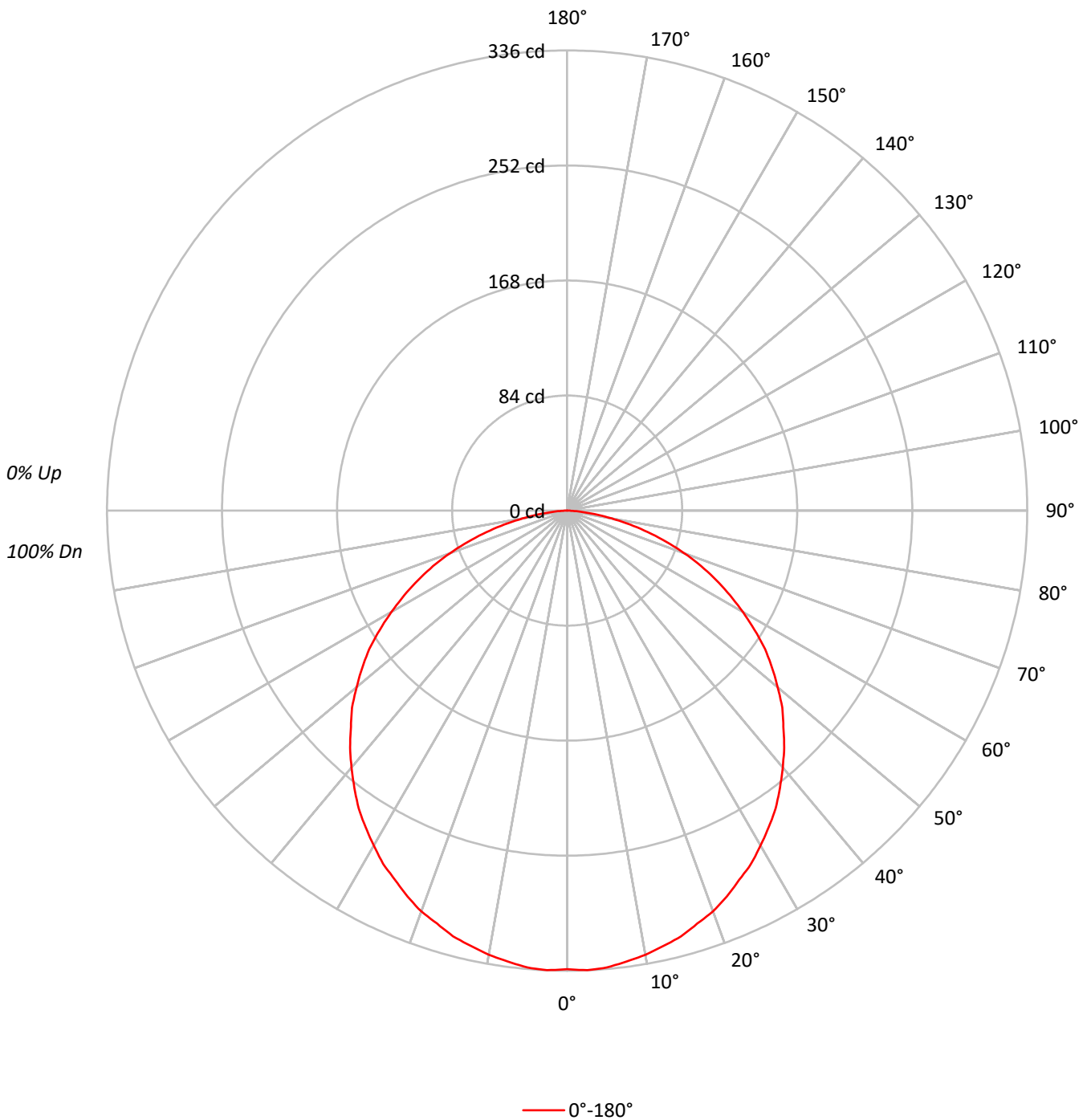
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	9148
5°	9183
10°	9134
15°	9100
20°	9055
25°	8963
30°	8907
35°	8853
40°	8733
45°	8626
50°	8533
55°	8401
60°	8096
65°	7762
70°	7268
75°	6438
80°	5160
85°	2946



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.8	3.3
10°-20°	90.7	9.5
20°-30°	137.3	14.4
30°-40°	165.8	17.4
40°-50°	172.6	18.1
50°-60°	157.0	16.5
60°-70°	118.7	12.5
70°-80°	64.8	6.8
80°-90°	13.4	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°	259.8	27.3
0°-40°	425.6	44.7
0°-60°	755.1	79.3
0°-90°	952.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	952.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	335	
5°	335	32
15°	322	91
25°	297	137
35°	266	166
45°	223	173
55°	176	157
65°	120	119
75°	61	65
85°	9	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	334.9
2.5°	335.9
5°	334.9
7.5°	332.1
10°	329.3
12.5°	325.6
15°	321.8
17.5°	316.2
20°	311.5
22.5°	304.9
25°	297.4
27.5°	290.9
30°	282.4
32.5°	274.0
35°	265.5
37.5°	255.2
40°	244.9
42.5°	234.6
45°	223.3
47.5°	213.0
50°	200.8
52.5°	188.6
55°	176.4
57.5°	162.3
60°	148.2
62.5°	134.2
65°	120.1
67.5°	106.0
70°	91.0
72.5°	76.0
75°	61.0
77.5°	46.9
80°	32.8
82.5°	20.6
85°	9.4
87.5°	2.8
90°	0.0

(END OF REPORT)