

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: P364767

Luminaire Tested: **FLD6BX30D010-FEU6B35-8040-F6LBXVM1-LI-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364767
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-44)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX30D010-FEU6B35-8040-F6LBXVM1-LI-BL89AM
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,
BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1160.0 lumens
Efficiency: N/A
Efficacy: 43.0 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

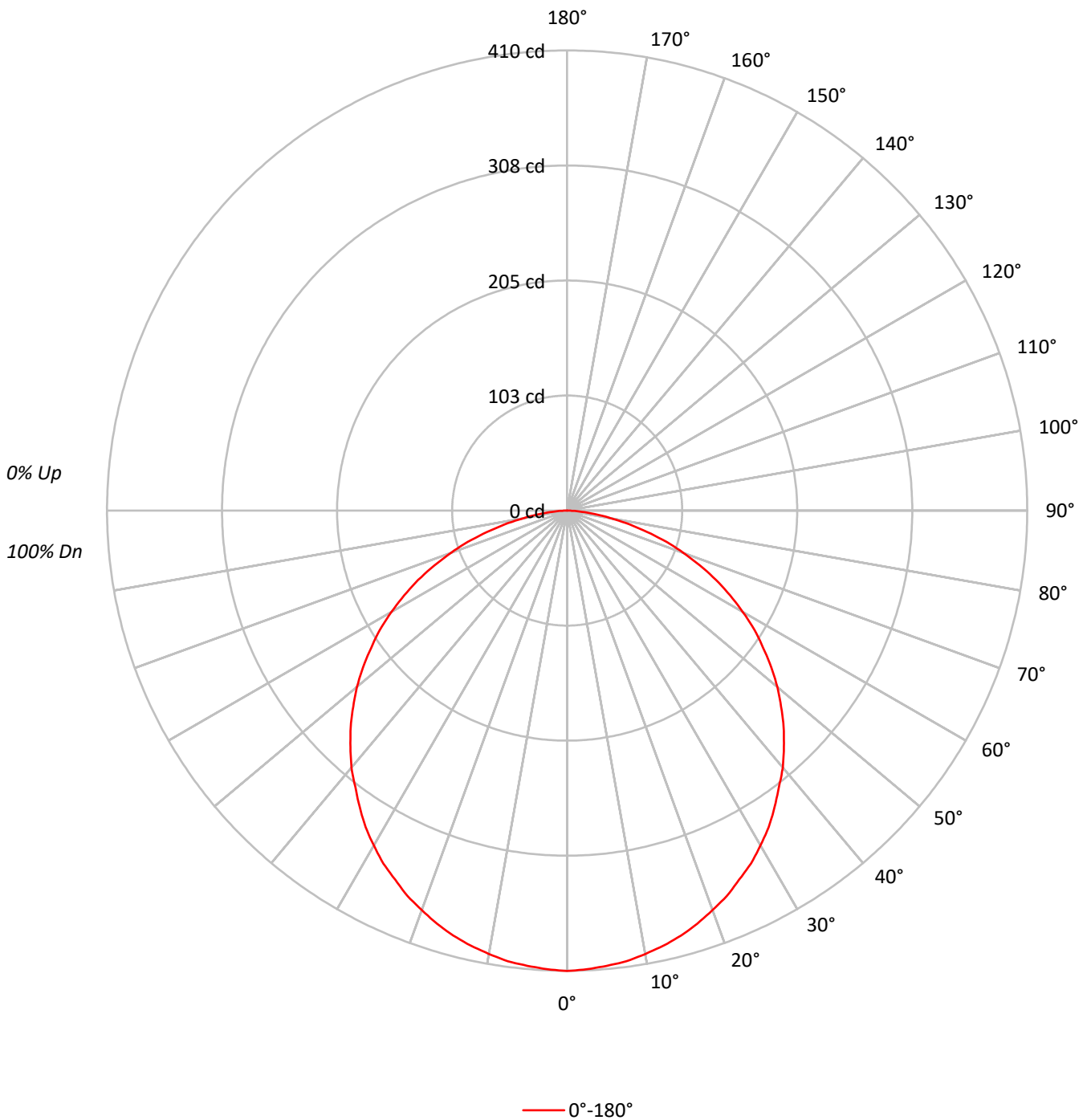
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	94	98	94	91		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	68	63		72	67	62		70	65	61	59
4	82	70	62	55	80	69	61	54	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°	11205
5°	11163
10°	11125
15°	11085
20°	11011
25°	10931
30°	10866
35°	10747
40°	10662
45°	10538
50°	10390
55°	10153
60°	9877
65°	9469
70°	8793
75°	7778
80°	6355
85°	4106



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.7	3.3
10°-20°	110.6	9.5
20°-30°	167.4	14.4
30°-40°	201.8	17.4
40°-50°	210.3	18.1
50°-60°	190.8	16.4
60°-70°	144.5	12.5
70°-80°	78.7	6.8
80°-90°	17.3	1.5
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°	316.7	27.3
0°-40°	518.5	44.7
0°-60°	919.6	79.3
0°-90°	1160.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1160.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	410	
5°	407	39
15°	392	111
25°	363	167
35°	322	202
45°	273	210
55°	213	191
65°	146	144
75°	74	79
85°	13	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	410.2
2.5°	409.1
5°	407.1
7.5°	405.1
10°	401.1
12.5°	397.0
15°	392.0
17.5°	385.9
20°	378.8
22.5°	371.8
25°	362.7
27.5°	354.6
30°	344.5
32.5°	334.4
35°	322.3
37.5°	310.1
40°	299.0
42.5°	285.9
45°	272.8
47.5°	258.6
50°	244.5
52.5°	229.3
55°	213.2
57.5°	198.0
60°	180.8
62.5°	163.7
65°	146.5
67.5°	128.3
70°	110.1
72.5°	92.9
75°	73.7
77.5°	56.6
80°	40.4
82.5°	25.3
85°	13.1
87.5°	5.1
90°	0.0

(END OF REPORT)