

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: P364749

Luminaire Tested: **FLD6BX30D010-FEU6B35-8035-F6LBXVM1-LI-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364749
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-FEU6B35-8035-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: 1148.0 lumens
Efficiency: N/A
Efficacy: 42.5 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

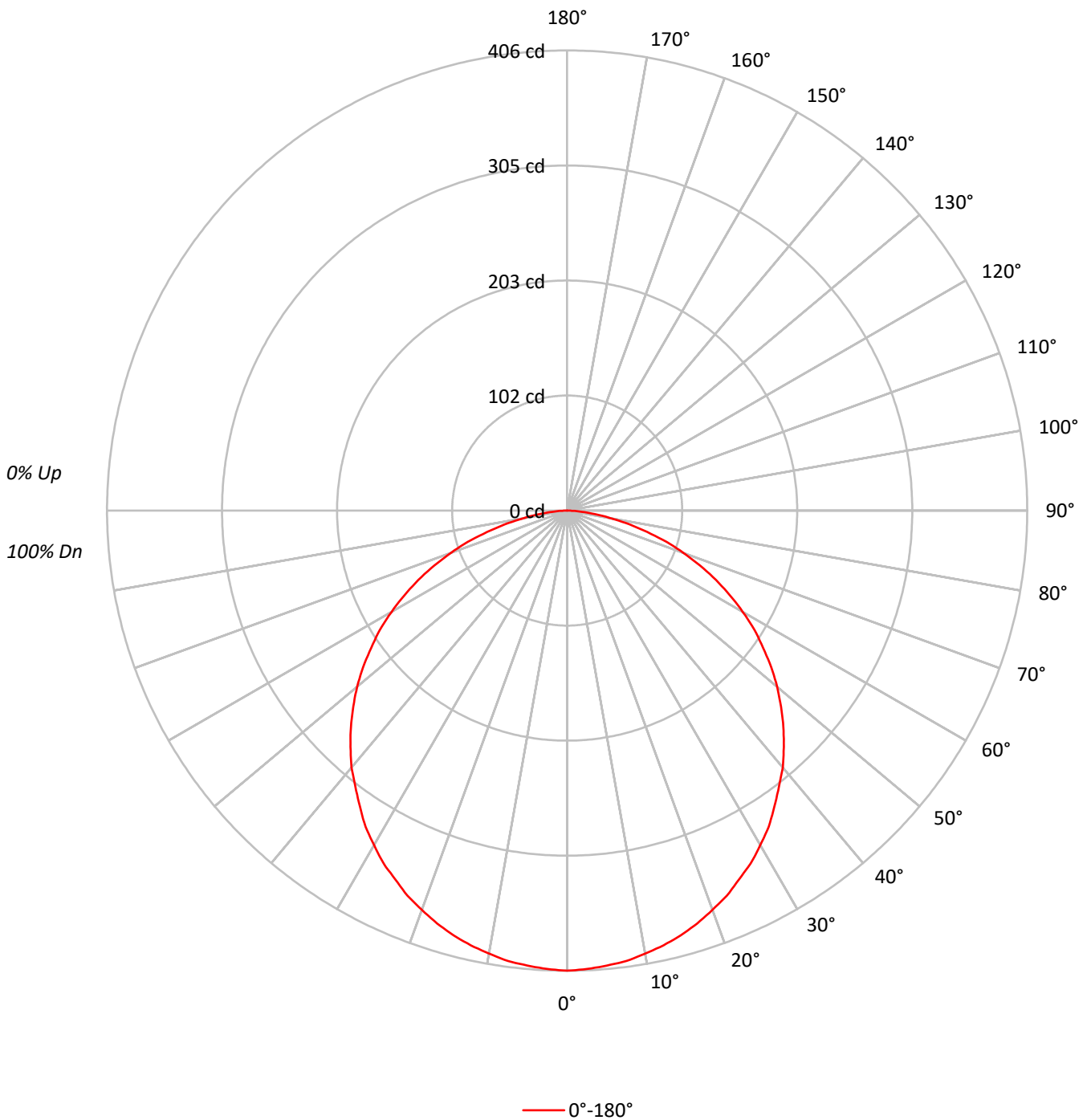
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	11087
5°	11047
10°	11009
15°	10969
20°	10898
25°	10817
30°	10752
35°	10634
40°	10551
45°	10426
50°	10280
55°	10048
60°	9779
65°	9372
70°	8705
75°	7704
80°	6292
85°	4074



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.3	3.3
10°-20°	109.4	9.5
20°-30°	165.7	14.4
30°-40°	199.7	17.4
40°-50°	208.1	18.1
50°-60°	188.9	16.5
60°-70°	143.0	12.5
70°-80°	77.9	6.8
80°-90°	17.1	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°	313.4	27.3
0°-40°	513.1	44.7
0°-60°	910.0	79.3
0°-90°	1148.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1148.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	406	
5°	403	38
15°	388	109
25°	359	166
35°	319	200
45°	270	208
55°	211	189
65°	145	143
75°	73	78
85°	13	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	405.9
2.5°	404.9
5°	402.9
7.5°	400.9
10°	396.9
12.5°	392.9
15°	387.9
17.5°	381.9
20°	374.9
22.5°	367.9
25°	358.9
27.5°	350.9
30°	340.9
32.5°	330.9
35°	318.9
37.5°	306.9
40°	295.9
42.5°	282.9
45°	269.9
47.5°	255.9
50°	241.9
52.5°	227.0
55°	211.0
57.5°	196.0
60°	179.0
62.5°	162.0
65°	145.0
67.5°	127.0
70°	109.0
72.5°	92.0
75°	73.0
77.5°	56.0
80°	40.0
82.5°	25.0
85°	13.0
87.5°	5.0
90°	0.0

(END OF REPORT)