

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: P366207

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366207
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-48)
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-WMH-BL89AM
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1128.0 lumens
Efficiency: N/A
Efficacy: 41.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

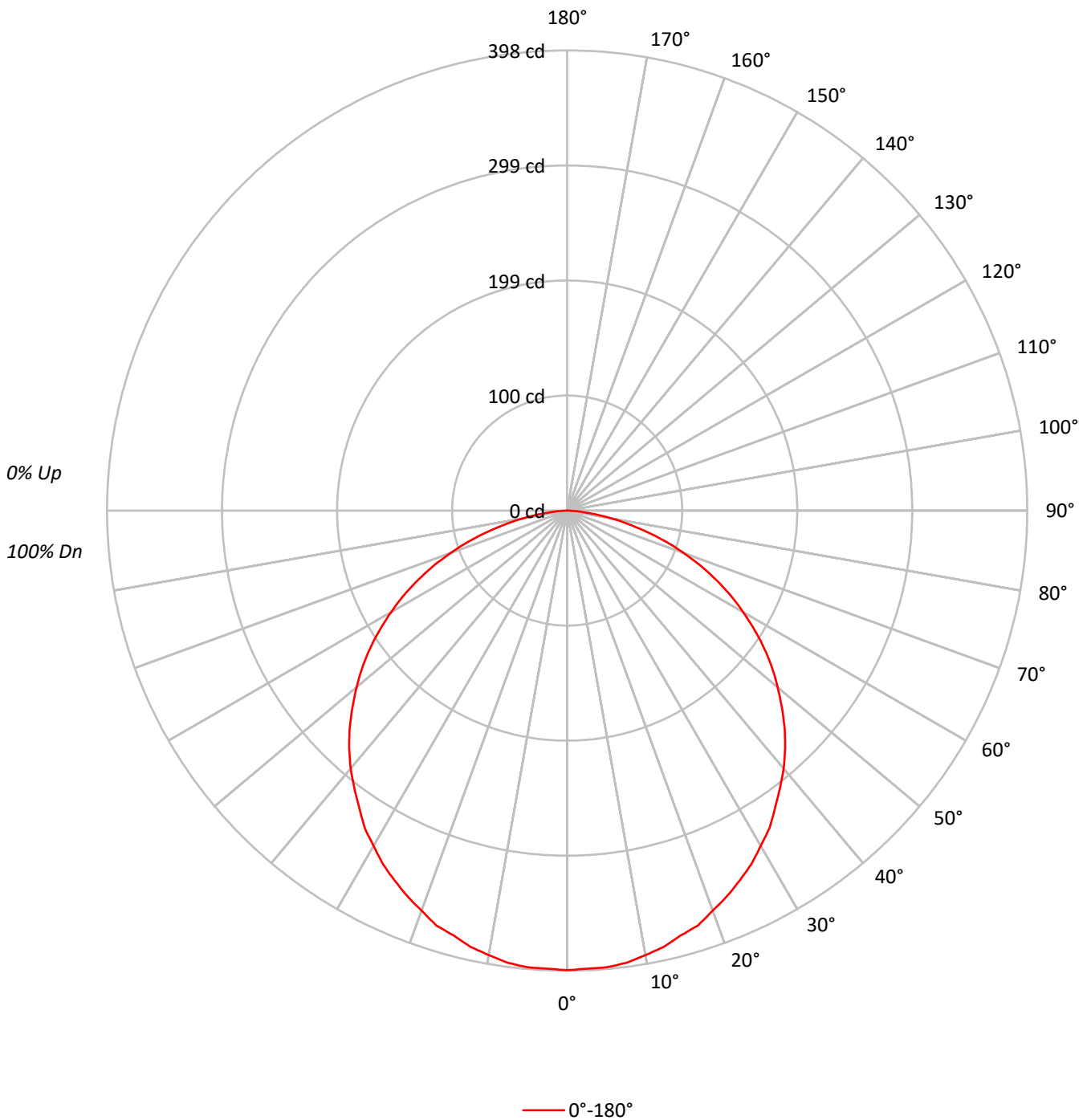
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	83	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°	10858
5°	10872
10°	10828
15°	10754
20°	10700
25°	10639
30°	10560
35°	10454
40°	10387
45°	10275
50°	10101
55°	9920
60°	9615
65°	9217
70°	8561
75°	7578
80°	6040
85°	3479



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.6	3.3
10°-20°	107.6	9.5
20°-30°	162.8	14.4
30°-40°	196.5	17.4
40°-50°	204.9	18.2
50°-60°	185.8	16.5
60°-70°	140.9	12.5
70°-80°	76.2	6.8
80°-90°	15.7	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°	308.0	27.3
0°-40°	504.5	44.7
0°-60°	895.2	79.4
0°-90°	1128.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1128.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	398	
5°	396	38
15°	380	108
25°	353	163
35°	314	196
45°	266	205
55°	208	186
65°	143	141
75°	72	76
85°	11	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	397.5
2.5°	396.5
5°	396.5
7.5°	394.4
10°	390.4
12.5°	386.4
15°	380.3
17.5°	376.2
20°	368.1
22.5°	361.1
25°	353.0
27.5°	344.9
30°	334.8
32.5°	325.7
35°	313.5
37.5°	302.4
40°	291.3
42.5°	279.1
45°	266.0
47.5°	251.8
50°	237.7
52.5°	223.5
55°	208.3
57.5°	192.2
60°	176.0
62.5°	159.8
65°	142.6
67.5°	125.4
70°	107.2
72.5°	90.0
75°	71.8
77.5°	54.6
80°	38.4
82.5°	24.3
85°	11.1
87.5°	3.0
90°	0.0

(END OF REPORT)