

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: P366227

Luminaire Tested: **FLD6BX30D010-FEU6B35-8050-F6LBXVM1-WMH-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366227
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-46)
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-WMH-BL89BW
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2088.0 lumens
Efficiency: N/A
Efficacy: 77.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

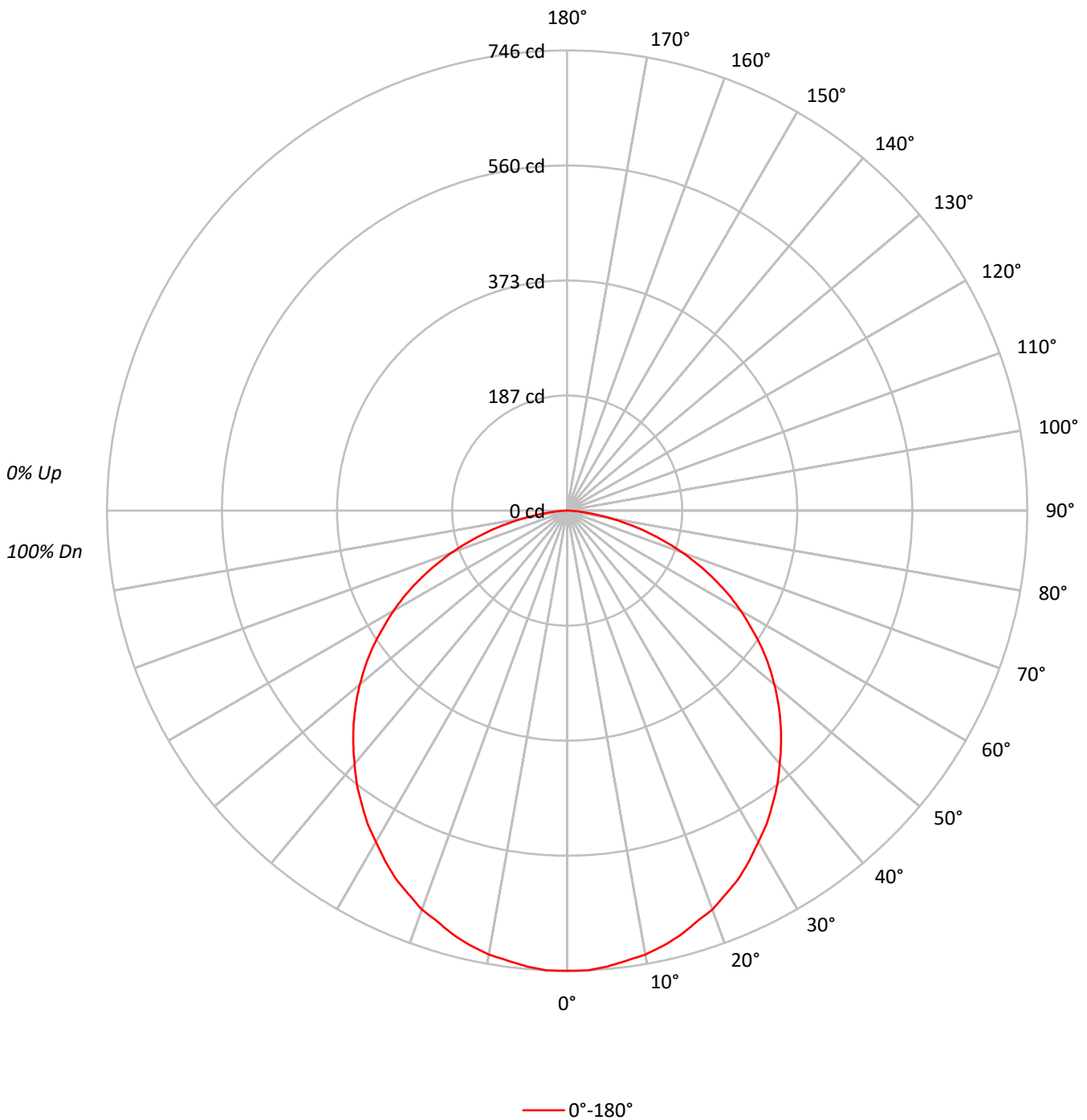
Input Watts (W): 27
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	76	82	78	74	79	75	72	70
3	90	80	72	65	88	78	71	64	75	69	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	47	58	51	46	56	50	46	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38
7	65	51	43	36	63	51	42	36	49	41	36	48	41	36	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	44	37	32	42	36	32	30
9	56	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	26	52	39	32	26	38	31	26	37	31	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	20383
5°	20348
10°	20267
15°	20137
20°	20005
25°	19838
30°	19552
35°	19361
40°	19116
45°	18909
50°	18647
55°	18287
60°	17755
65°	16992
70°	15869
75°	14089
80°	11231
85°	6801



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.4	3.4
10°-20°	200.8	9.6
20°-30°	302.8	14.5
30°-40°	363.5	17.4
40°-50°	377.5	18.1
50°-60°	342.6	16.4
60°-70°	259.9	12.4
70°-80°	141.1	6.8
80°-90°	29.4	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°	574.0	27.5
0°-40°	937.5	44.9
0°-60°	1657.5	79.4
0°-90°	2088.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2088.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	746	
5°	742	70
15°	712	201
25°	658	303
35°	581	363
45°	490	377
55°	384	343
65°	263	260
75°	134	141
85°	22	29
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	746.2
2.5°	746.2
5°	742.1
7.5°	735.9
10°	730.7
12.5°	722.4
15°	712.1
17.5°	698.6
20°	688.2
22.5°	672.7
25°	658.2
27.5°	639.6
30°	619.9
32.5°	602.3
35°	580.6
37.5°	559.9
40°	536.1
42.5°	513.3
45°	489.5
47.5°	464.7
50°	438.8
52.5°	411.9
55°	384.0
57.5°	354.0
60°	325.0
62.5°	295.0
65°	262.9
67.5°	230.8
70°	198.7
72.5°	165.6
75°	133.5
77.5°	101.4
80°	71.4
82.5°	44.5
85°	21.7
87.5°	6.2
90°	0.0

(END OF REPORT)