

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: P366209

Luminaire Tested: **FLD6BX30D010-FEU6B35-8040-F6LBXVM1-WMH-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366209
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-FEU6B35-8040-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: 2038.0 lumens
Efficiency: N/A
Efficacy: 75.5 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

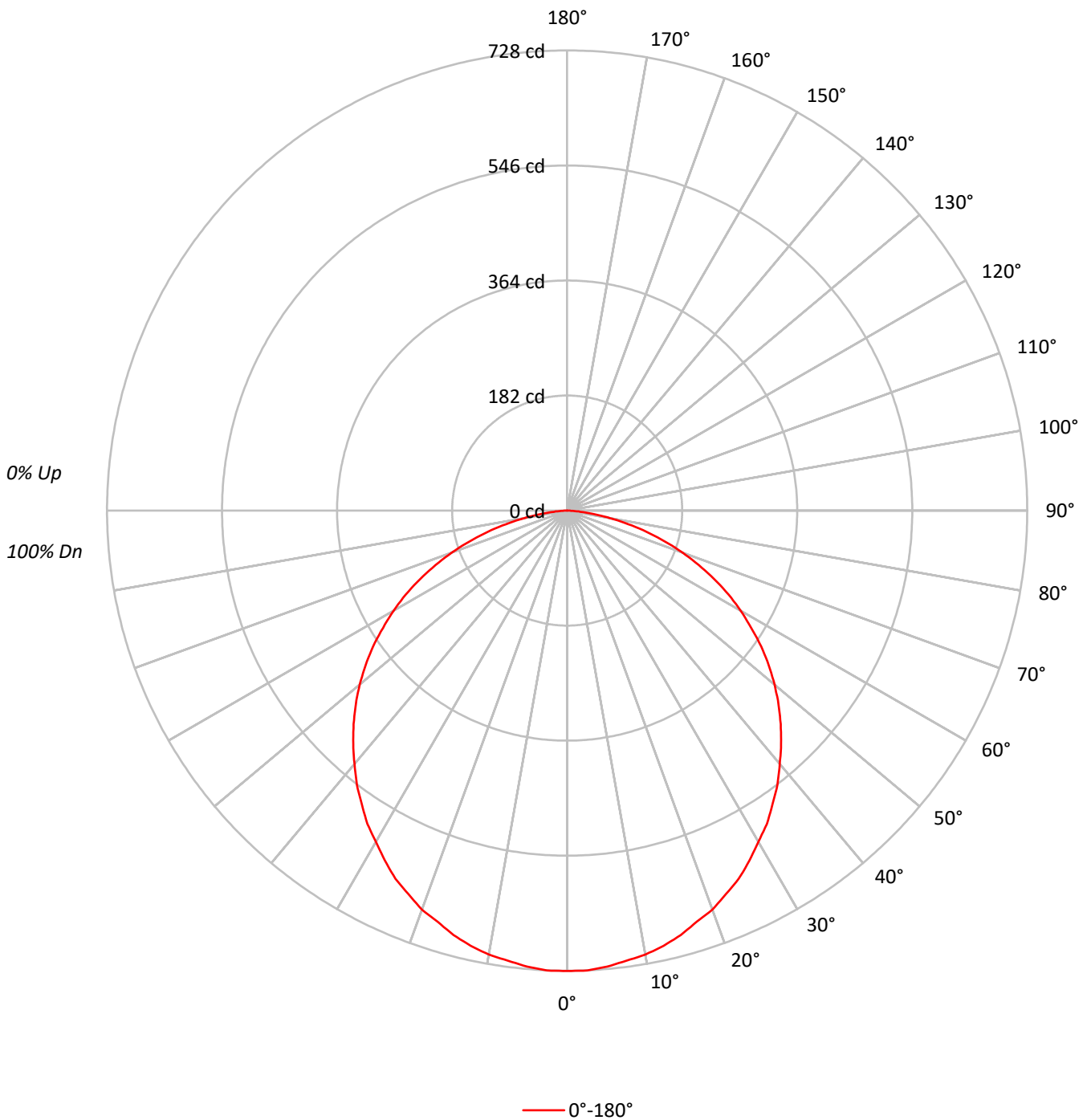
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	19894
5°	19860
10°	19782
15°	19654
20°	19528
25°	19364
30°	19085
35°	18897
40°	18660
45°	18457
50°	18201
55°	17849
60°	17329
65°	16585
70°	15494
75°	13752
80°	10964
85°	6644



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.7	3.4
10°-20°	196.0	9.6
20°-30°	295.6	14.5
30°-40°	354.8	17.4
40°-50°	368.4	18.1
50°-60°	334.4	16.4
60°-70°	253.7	12.4
70°-80°	137.8	6.8
80°-90°	28.7	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°	560.3	27.5
0°-40°	915.1	44.9
0°-60°	1617.9	79.4
0°-90°	2038.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2038.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	728	
5°	724	69
15°	695	196
25°	642	296
35°	567	355
45°	478	368
55°	375	334
65°	257	254
75°	130	138
85°	21	29
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	728.3
2.5°	728.3
5°	724.3
7.5°	718.2
10°	713.2
12.5°	705.1
15°	695.0
17.5°	681.9
20°	671.8
22.5°	656.6
25°	642.5
27.5°	624.3
30°	605.1
32.5°	587.9
35°	566.7
37.5°	546.5
40°	523.3
42.5°	501.0
45°	477.8
47.5°	453.6
50°	428.3
52.5°	402.0
55°	374.8
57.5°	345.5
60°	317.2
62.5°	287.9
65°	256.6
67.5°	225.3
70°	194.0
72.5°	161.6
75°	130.3
77.5°	99.0
80°	69.7
82.5°	43.4
85°	21.2
87.5°	6.1
90°	0.0

(END OF REPORT)