

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: P365489

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365489
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-35)
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-MW-BL89BW
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1822.0 lumens
Efficiency: N/A
Efficacy: 67.5 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

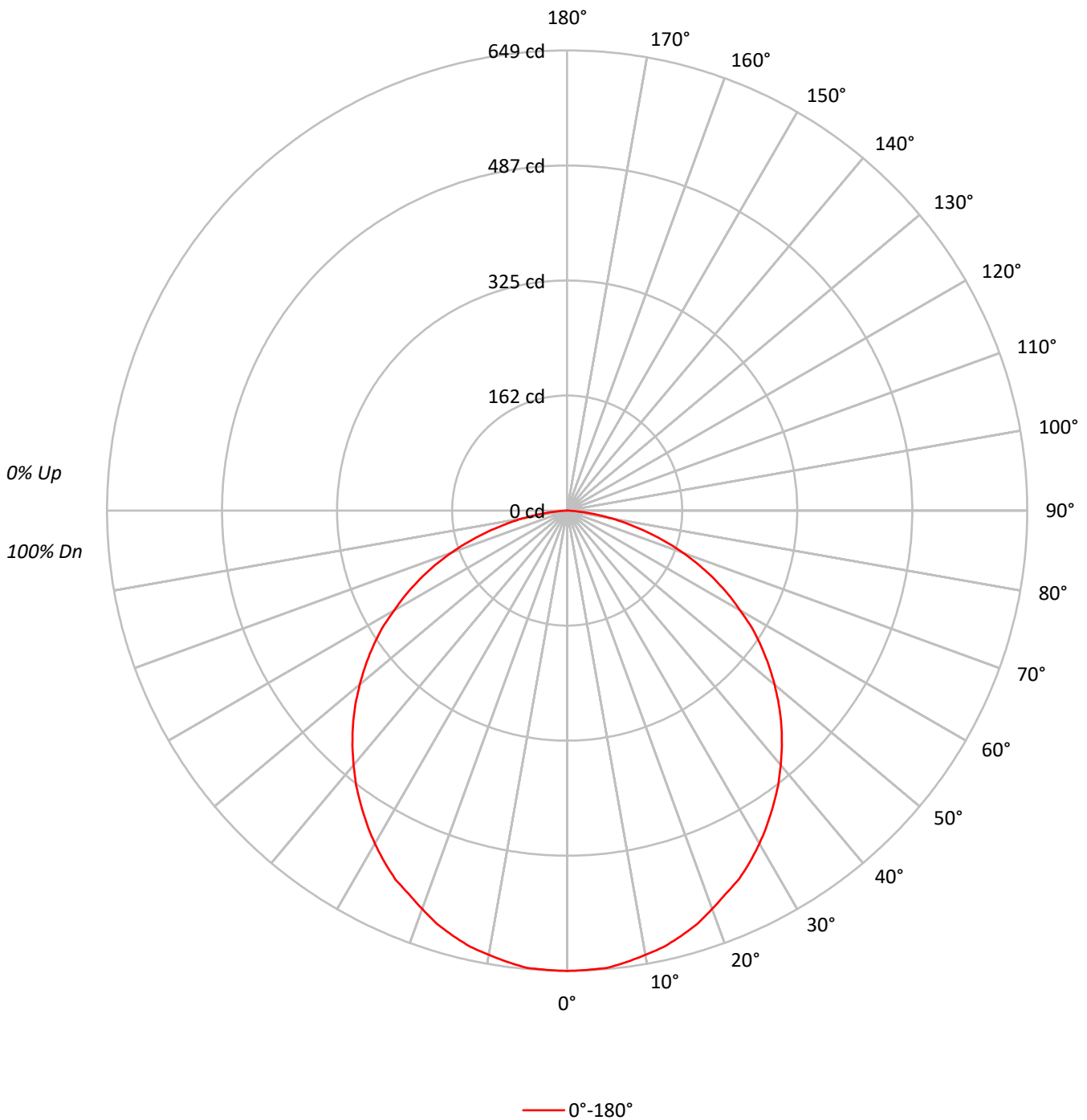
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	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	45	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°	17739
5°	17751
10°	17649
15°	17564
20°	17380
25°	17288
30°	17105
35°	16906
40°	16709
45°	16503
50°	16225
55°	15920
60°	15395
65°	14820
70°	13872
75°	12369
80°	10004
85°	6017



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.4	3.4
10°-20°	175.2	9.6
20°-30°	263.9	14.5
30°-40°	317.4	17.4
40°-50°	329.3	18.1
50°-60°	298.5	16.4
60°-70°	226.5	12.4
70°-80°	123.9	6.8
80°-90°	25.9	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°	500.5	27.5
0°-40°	817.8	44.9
0°-60°	1445.7	79.3
0°-90°	1822.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1822.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	649	
5°	647	61
15°	621	175
25°	574	264
35°	507	317
45°	427	329
55°	334	298
65°	229	227
75°	117	124
85°	19	26
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	649.4
2.5°	648.4
5°	647.4
7.5°	642.3
10°	636.3
12.5°	630.2
15°	621.1
17.5°	611.0
20°	597.9
22.5°	584.8
25°	573.6
27.5°	558.5
30°	542.3
32.5°	525.2
35°	507.0
37.5°	488.8
40°	468.6
42.5°	448.4
45°	427.2
47.5°	405.0
50°	381.8
52.5°	358.5
55°	334.3
57.5°	310.0
60°	281.8
62.5°	256.5
65°	229.3
67.5°	202.0
70°	173.7
72.5°	145.4
75°	117.2
77.5°	88.9
80°	63.6
82.5°	39.4
85°	19.2
87.5°	5.0
90°	0.0

(END OF REPORT)