

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: P365507

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365507
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-FEU6B35-8050-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: 1866.0 lumens
Efficiency: N/A
Efficacy: 69.1 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

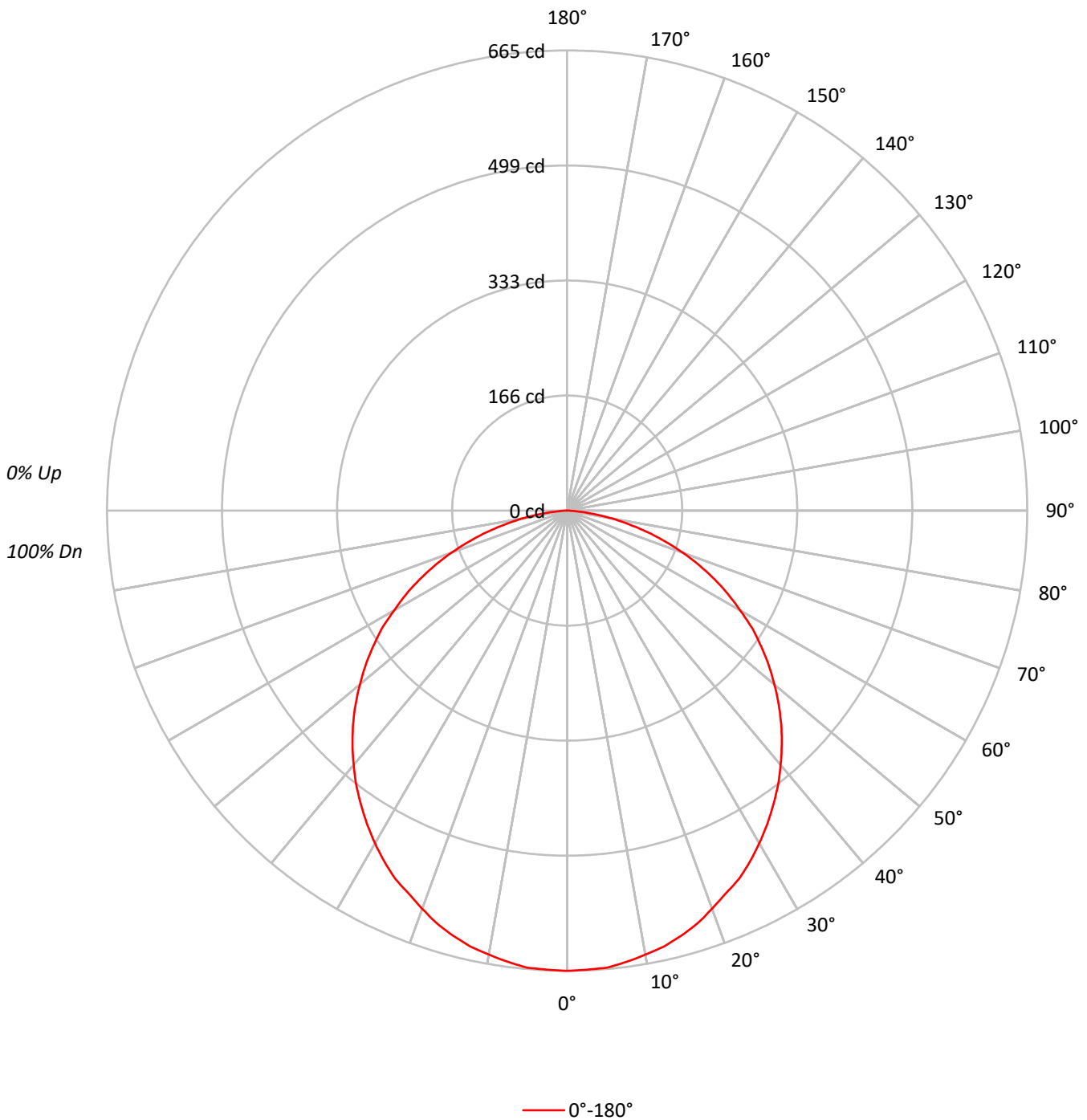
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	18167
5°	18179
10°	18073
15°	17988
20°	17799
25°	17707
30°	17518
35°	17313
40°	17112
45°	16900
50°	16616
55°	16306
60°	15766
65°	15176
70°	14208
75°	12665
80°	10256
85°	6174



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.9	3.4
10°-20°	179.4	9.6
20°-30°	270.3	14.5
30°-40°	325.0	17.4
40°-50°	337.3	18.1
50°-60°	305.7	16.4
60°-70°	232.0	12.4
70°-80°	126.9	6.8
80°-90°	26.6	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°	512.5	27.5
0°-40°	837.5	44.9
0°-60°	1480.6	79.3
0°-90°	1866.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1866.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	665	
5°	663	63
15°	636	179
25°	588	270
35°	519	325
45°	438	337
55°	342	306
65°	235	232
75°	120	127
85°	20	27
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	665.1
2.5°	664.0
5°	663.0
7.5°	657.8
10°	651.6
12.5°	645.4
15°	636.1
17.5°	625.8
20°	612.3
22.5°	598.9
25°	587.5
27.5°	572.0
30°	555.4
32.5°	537.8
35°	519.2
37.5°	500.6
40°	479.9
42.5°	459.2
45°	437.5
47.5°	414.8
50°	391.0
52.5°	367.2
55°	342.4
57.5°	317.5
60°	288.6
62.5°	262.7
65°	234.8
67.5°	206.9
70°	177.9
72.5°	148.9
75°	120.0
77.5°	91.0
80°	65.2
82.5°	40.3
85°	19.7
87.5°	5.2
90°	0.0

(END OF REPORT)