

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: P366225

Luminaire Tested: **FLD6BX30D010-FEU6B35-8050-F6LBXVM1-WMH-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366225
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-FEU6B35-8050-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: 1155.0 lumens
Efficiency: N/A
Efficacy: 42.8 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

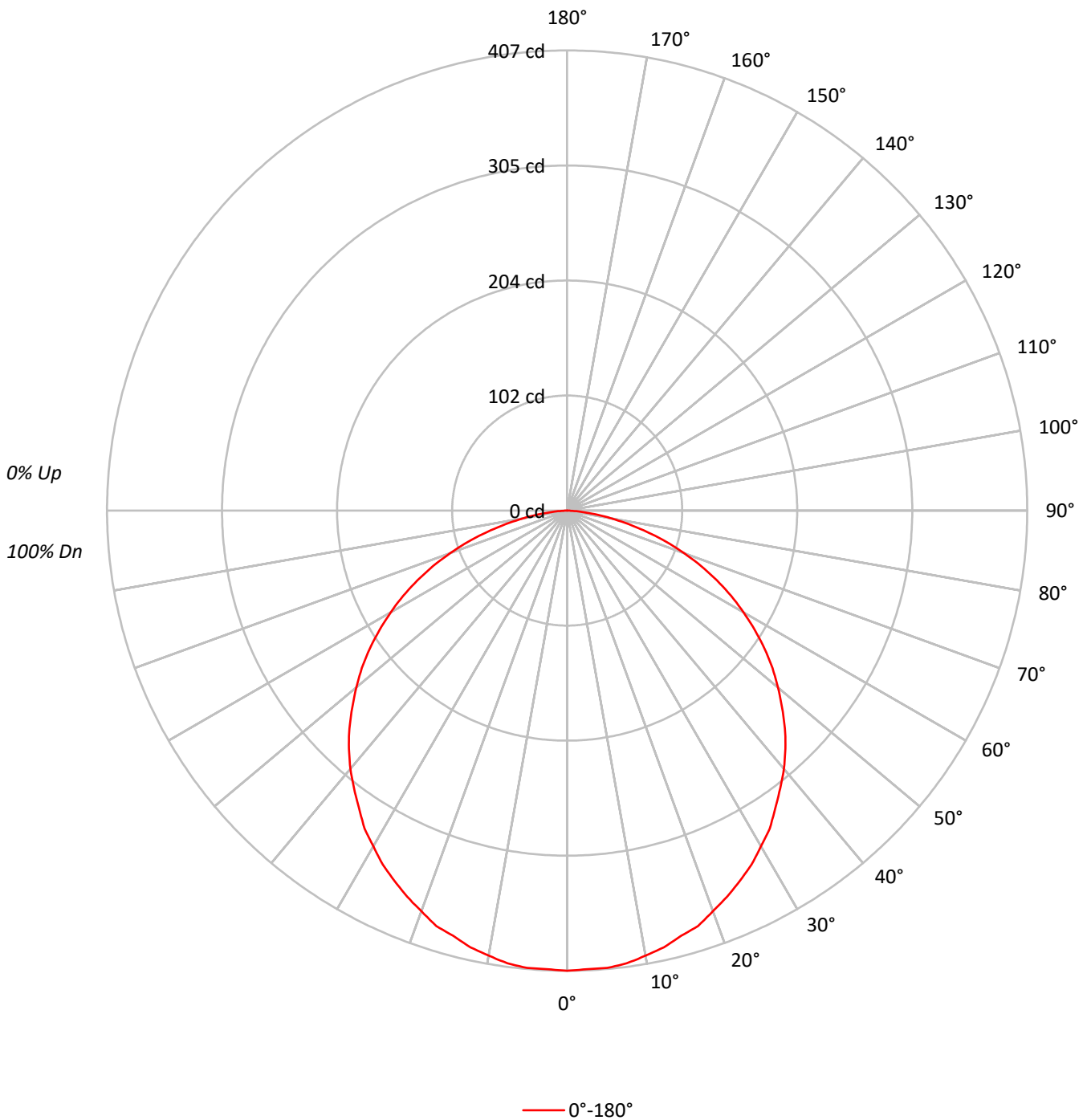
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	11117
5°	11132
10°	11086
15°	11012
20°	10959
25°	10892
30°	10812
35°	10704
40°	10637
45°	10523
50°	10343
55°	10158
60°	9844
65°	9436
70°	8769
75°	7757
80°	6198
85°	3573



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.6	3.3
10°-20°	110.1	9.5
20°-30°	166.6	14.4
30°-40°	201.2	17.4
40°-50°	209.9	18.2
50°-60°	190.3	16.5
60°-70°	144.2	12.5
70°-80°	78.1	6.8
80°-90°	16.1	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°	315.3	27.3
0°-40°	516.5	44.7
0°-60°	916.7	79.4
0°-90°	1155.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1155.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	407	
5°	406	39
15°	389	110
25°	361	167
35°	321	201
45°	272	210
55°	213	190
65°	146	144
75°	74	78
85°	11	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	407.0
2.5°	406.0
5°	406.0
7.5°	403.9
10°	399.7
12.5°	395.6
15°	389.4
17.5°	385.2
20°	377.0
22.5°	369.7
25°	361.4
27.5°	353.1
30°	342.8
32.5°	333.5
35°	321.0
37.5°	309.6
40°	298.3
42.5°	285.8
45°	272.4
47.5°	257.9
50°	243.4
52.5°	228.9
55°	213.3
57.5°	196.8
60°	180.2
62.5°	163.6
65°	146.0
67.5°	128.4
70°	109.8
72.5°	92.2
75°	73.5
77.5°	55.9
80°	39.4
82.5°	24.9
85°	11.4
87.5°	3.1
90°	0.0

(END OF REPORT)