

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: P366199

Luminaire Tested: **FLD6BX30D010-FEU6B35-8035-F6LBXVM1-WMH-BTR89BI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366199
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-28)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX30D010-FEU6B35-8035-F6LBXVM1-WMH-BTR89BI
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2150.0 lumens
Efficiency: N/A
Efficacy: 79.6 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.8
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

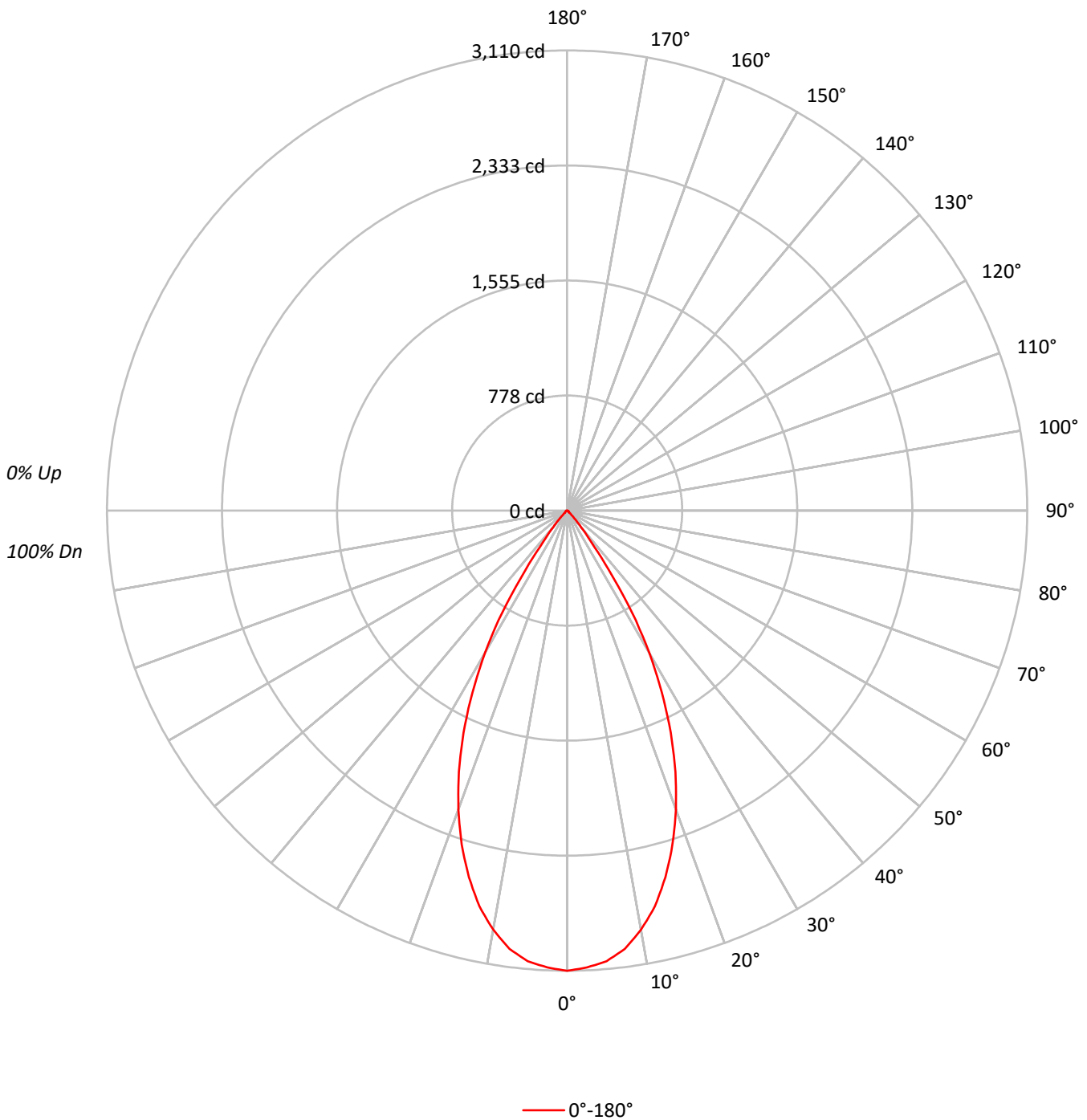
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	80	78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	74	71	69
7	86	78	72	68	85	77	72	68	76	71	68	75	70	67	74	70	67	66
8	82	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	222703
5°	219701
10°	209125
15°	190108
20°	163709
25°	130862
30°	91757
35°	42682
40°	13488
45°	4212
50°	1849
55°	1735
60°	1590
65°	1406
70°	1549
75°	1798
80°	2268
85°	3779



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.1	13.3
10°-20°	711.1	33.1
20°-30°	747.6	34.8
30°-40°	331.7	15.4
40°-50°	41.5	1.9
50°-60°	12.4	0.6
60°-70°	8.7	0.4
70°-80°	6.9	0.3
80°-90°	4.0	0.2
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°	1744.9	81.2
0°-40°	2076.5	96.6
0°-60°	2130.4	99.1
0°-90°	2150.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2150.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3110	
5°	3057	286
15°	2565	711
25°	1656	748
35°	488	332
45°	42	41
55°	14	12
65°	8	9
75°	6	7
85°	5	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3110.3
2.5°	3090.0
5°	3056.7
7.5°	2988.2
10°	2876.3
12.5°	2739.4
15°	2564.6
17.5°	2367.7
20°	2148.5
22.5°	1910.8
25°	1656.4
27.5°	1386.4
30°	1109.8
32.5°	816.7
35°	488.3
37.5°	259.9
40°	144.3
42.5°	78.6
45°	41.6
47.5°	20.3
50°	16.6
52.5°	14.8
55°	13.9
57.5°	12.9
60°	11.1
62.5°	10.2
65°	8.3
67.5°	7.4
70°	7.4
72.5°	6.5
75°	6.5
77.5°	6.5
80°	5.5
82.5°	4.6
85°	4.6
87.5°	2.8
90°	0.0

(END OF REPORT)