

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: P366235

Luminaire Tested: **FLD6BX30D010-FEU6B35-8050-F6LBXVM1-WMH-BTR89BI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366235
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-FEU6B35-8050-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: 2225.0 lumens
Efficiency: N/A
Efficacy: 82.4 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

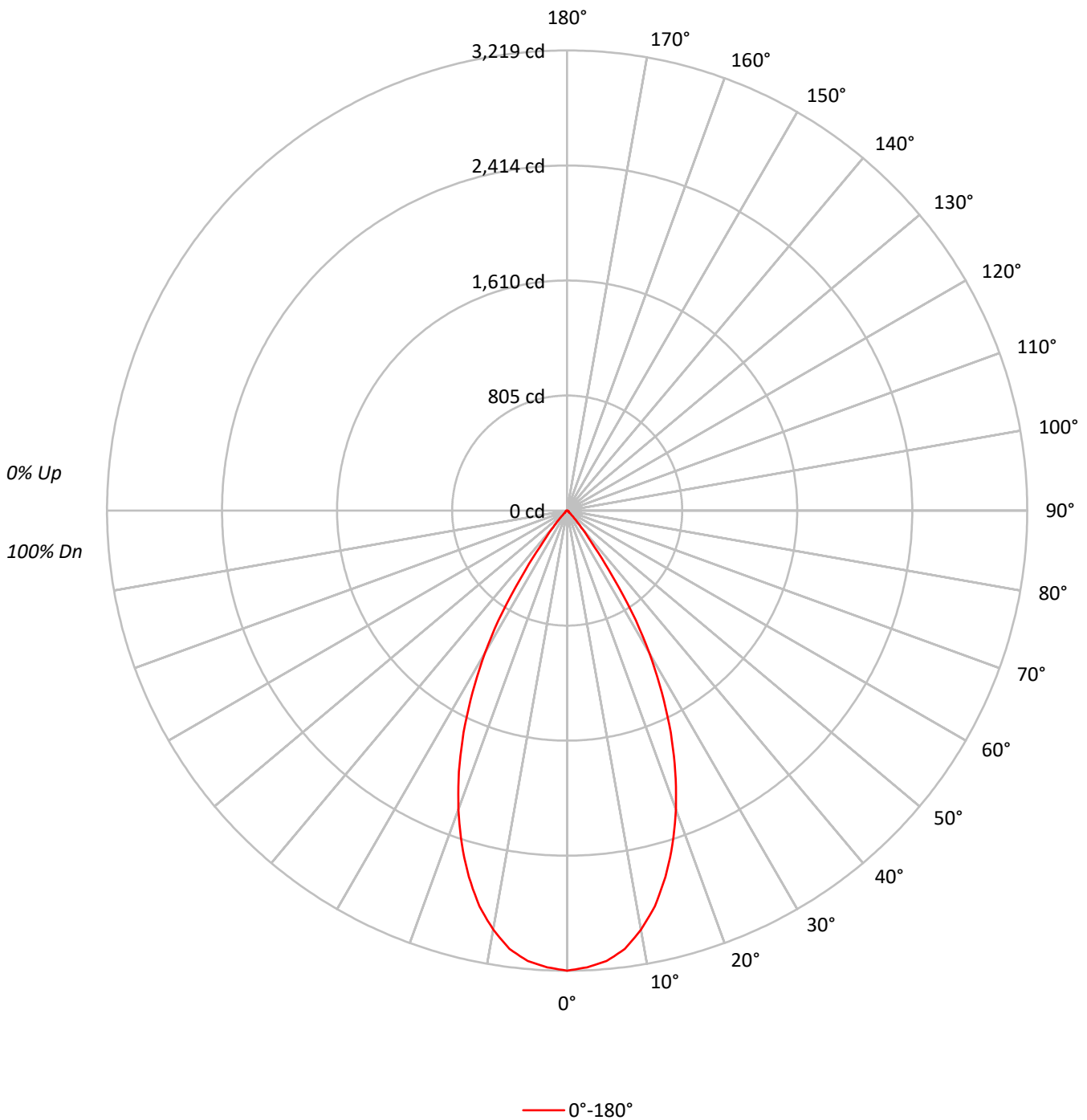
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	230472
5°	227363
10°	216425
15°	196742
20°	169417
25°	135428
30°	94965
35°	44177
40°	13955
45°	4364
50°	1916
55°	1798
60°	1647
65°	1457
70°	1612
75°	1854
80°	2350
85°	3943



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	296.1	13.3
10°-20°	735.9	33.1
20°-30°	773.7	34.8
30°-40°	343.3	15.4
40°-50°	43.0	1.9
50°-60°	12.8	0.6
60°-70°	9.0	0.4
70°-80°	7.1	0.3
80°-90°	4.2	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°	1805.7	81.2
0°-40°	2149.0	96.6
0°-60°	2204.8	99.1
0°-90°	2225.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2225.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3219	
5°	3163	296
15°	2654	736
25°	1714	774
35°	505	343
45°	43	43
55°	14	13
65°	9	9
75°	7	7
85°	5	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3218.8
2.5°	3197.8
5°	3163.3
7.5°	3092.5
10°	2976.7
12.5°	2835.0
15°	2654.1
17.5°	2450.2
20°	2223.4
22.5°	1977.4
25°	1714.2
27.5°	1434.7
30°	1148.6
32.5°	845.1
35°	505.4
37.5°	269.0
40°	149.3
42.5°	81.4
45°	43.1
47.5°	21.1
50°	17.2
52.5°	15.3
55°	14.4
57.5°	13.4
60°	11.5
62.5°	10.5
65°	8.6
67.5°	7.7
70°	7.7
72.5°	6.7
75°	6.7
77.5°	6.7
80°	5.7
82.5°	4.8
85°	4.8
87.5°	2.9
90°	0.0

(END OF REPORT)