

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: P366165

Luminaire Tested: **FLD6BX30D010-FEU6B35-8027-F6LBXVM1-WMH-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366165
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-33)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX30D010-FEU6B35-8027-F6LBXVM1-WMH-BTR94
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2123.0 lumens
Efficiency: N/A
Efficacy: 78.6 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

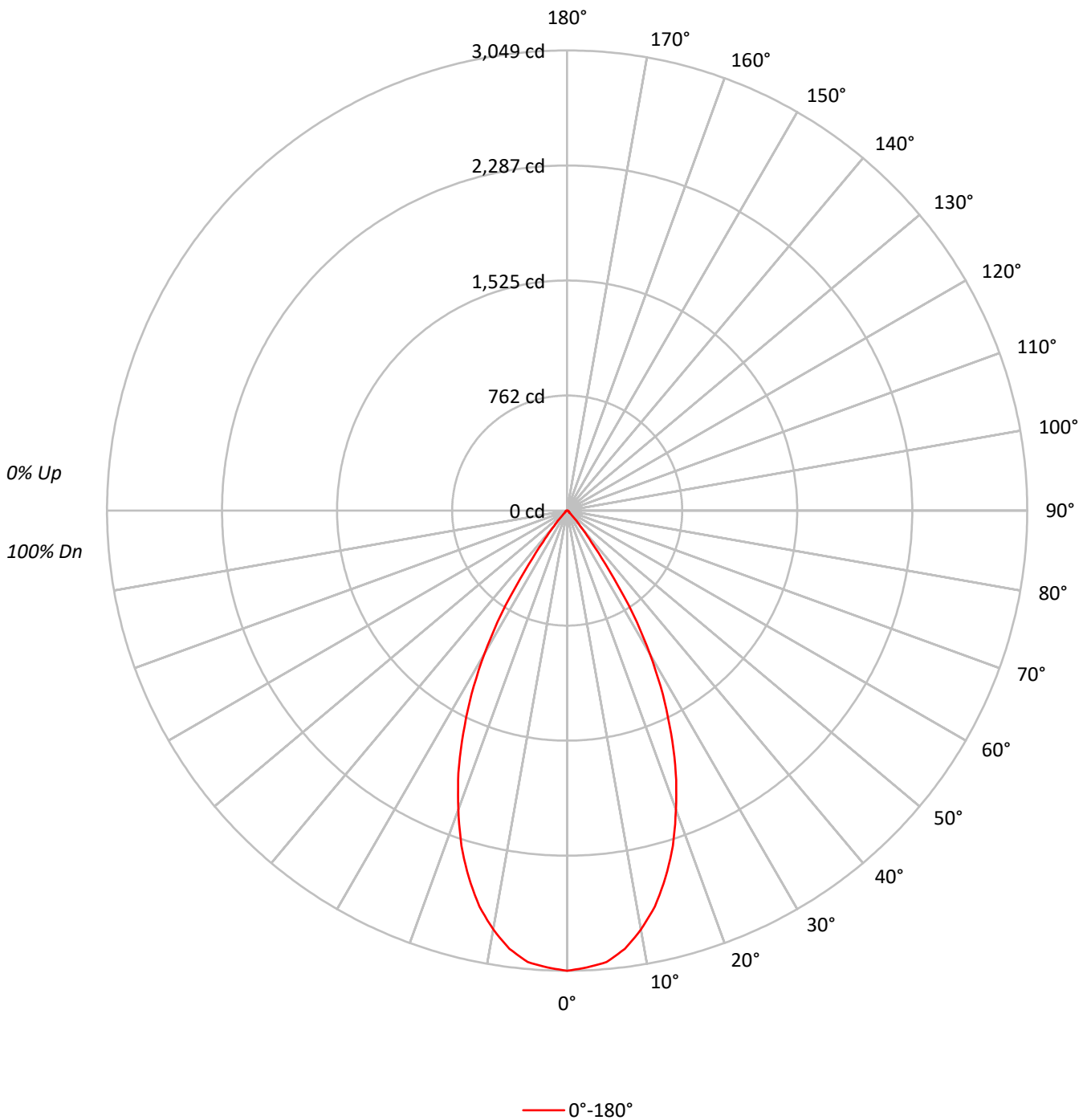
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	88	94	90	87	91	88	86	89	87	84	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79	78
5	94	87	81	77	93	86	81	77	84	80	76	82	78	75	81	77	75	73
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	73	71	69
7	86	78	72	68	85	77	72	68	76	71	67	74	70	67	73	70	67	65
8	82	74	68	64	81	73	68	64	72	67	64	71	67	63	70	66	63	62
9	79	70	64	61	78	69	64	61	68	64	60	68	63	60	67	63	60	59
10	76	66	61	57	75	66	61	57	65	61	57	65	60	57	64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	218328
5°	215856
10°	204923
15°	186616
20°	160608
25°	128674
30°	90781
35°	42044
40°	13675
45°	4364
50°	2094
55°	1873
60°	1747
65°	1593
70°	1570
75°	2075
80°	2309
85°	3861



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.6	13.2
10°-20°	698.2	32.9
20°-30°	736.8	34.7
30°-40°	329.7	15.5
40°-50°	43.2	2.0
50°-60°	13.3	0.6
60°-70°	9.4	0.4
70°-80°	7.4	0.4
80°-90°	4.3	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°	1715.6	80.8
0°-40°	2045.4	96.3
0°-60°	2101.8	99.0
0°-90°	2123.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2123.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3049	
5°	3003	281
15°	2518	698
25°	1629	737
35°	481	330
45°	43	43
55°	15	13
65°	9	9
75°	8	7
85°	5	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3049.2
2.5°	3029.5
5°	3003.2
7.5°	2929.2
10°	2818.5
12.5°	2686.3
15°	2517.5
17.5°	2330.0
20°	2107.8
22.5°	1881.8
25°	1628.7
27.5°	1372.7
30°	1098.0
32.5°	813.9
35°	481.0
37.5°	261.6
40°	146.3
42.5°	81.6
45°	43.1
47.5°	22.5
50°	18.8
52.5°	15.9
55°	15.0
57.5°	13.1
60°	12.2
62.5°	10.3
65°	9.4
67.5°	8.4
70°	7.5
72.5°	7.5
75°	7.5
77.5°	6.6
80°	5.6
82.5°	5.6
85°	4.7
87.5°	2.8
90°	0.0

(END OF REPORT)