

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: P366194

Luminaire Tested: **FLD6BX30D010-FEU6B35-8035-F6LBXVM1-WMH-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366194
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-32)
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-BTR82
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2148.0 lumens
Efficiency: N/A
Efficacy: 79.6 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.07
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

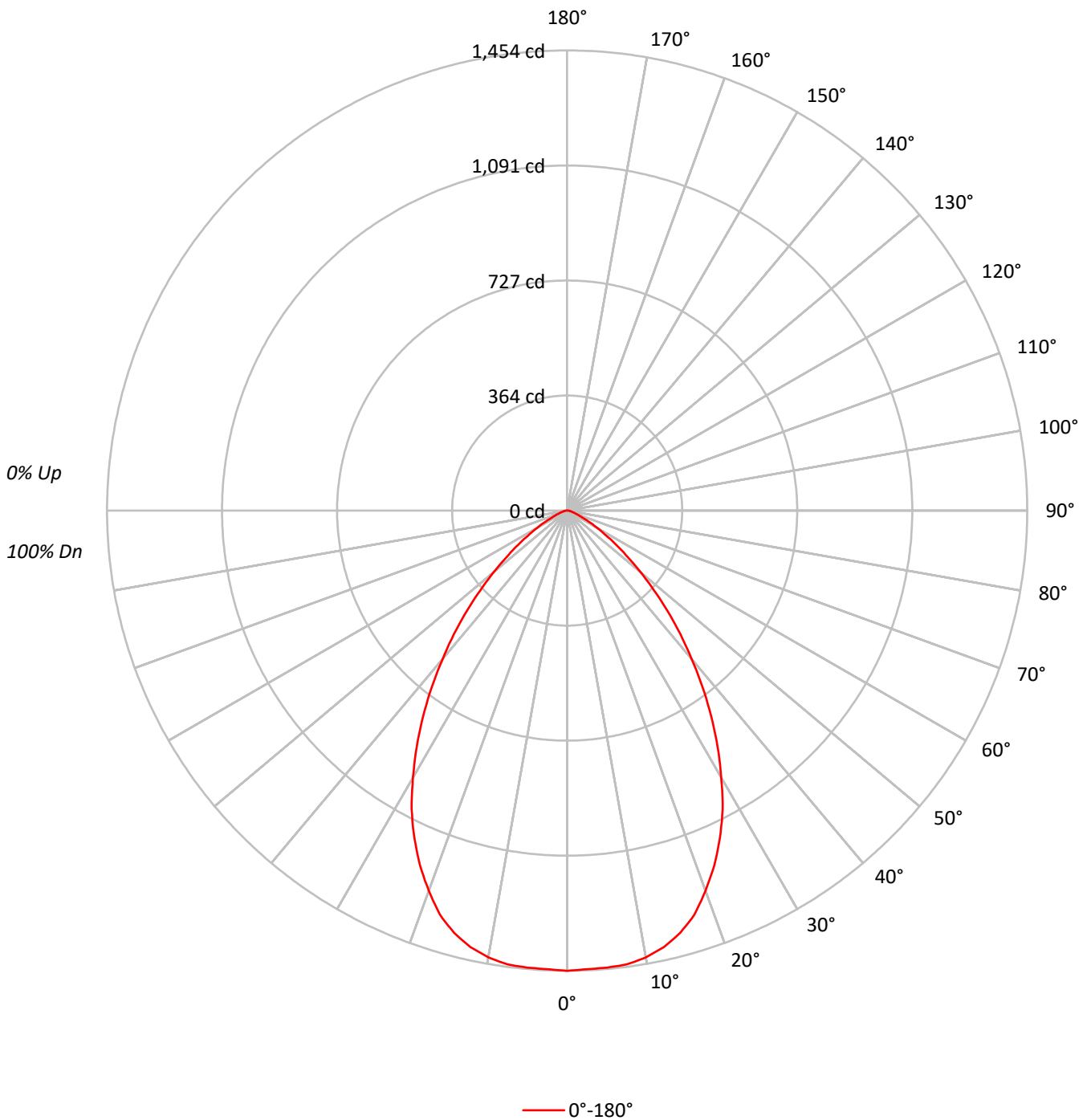
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	110	106	104	101	102	100	98		99	97	95		95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	85	83	81
3	98	90	84	79	96	89	83	78	86	81	77		83	79	76		81	78	75	73
4	92	82	76	70	90	81	75	70	79	73	69		77	72	68		75	71	67	66
5	86	75	68	63	84	74	68	63	73	67	62		71	66	62		69	65	61	59
6	80	69	62	57	79	69	62	57	67	61	56		65	60	56		64	59	56	54
7	75	64	57	52	74	63	57	52	62	56	51		61	55	51		60	55	51	49
8	71	60	52	47	69	59	52	47	58	52	47		57	51	47		55	50	47	45
9	67	55	48	44	66	55	48	44	54	48	43		53	47	43		52	47	43	41
10	63	52	45	40	62	51	45	40	50	44	40		49	44	40		49	44	40	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	104138
5°	104176
10°	104217
15°	102393
20°	97403
25°	90246
30°	80546
35°	69333
40°	57222
45°	45273
50°	33652
55°	23718
60°	15752
65°	9657
70°	6280
75°	4703
80°	4123
85°	4929



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.9	6.4
10°-20°	386.7	18.0
20°-30°	522.1	24.3
30°-40°	494.0	23.0
40°-50°	346.3	16.1
50°-60°	174.2	8.1
60°-70°	61.5	2.9
70°-80°	19.2	0.9
80°-90°	6.0	0.3
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°	1046.7	48.7
0°-40°	1540.7	71.7
0°-60°	2061.2	96.0
0°-90°	2148.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2148.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1454	
5°	1449	138
15°	1381	387
25°	1142	522
35°	793	494
45°	447	346
55°	190	174
65°	57	62
75°	17	19
85°	6	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1454.4
2.5°	1450.4
5°	1449.4
7.5°	1446.4
10°	1433.4
12.5°	1412.4
15°	1381.3
17.5°	1338.3
20°	1278.3
22.5°	1214.3
25°	1142.3
27.5°	1064.3
30°	974.2
32.5°	885.2
35°	793.2
37.5°	702.2
40°	612.2
42.5°	529.1
45°	447.1
47.5°	372.1
50°	302.1
52.5°	242.1
55°	190.0
57.5°	146.0
60°	110.0
62.5°	81.0
65°	57.0
67.5°	42.0
70°	30.0
72.5°	23.0
75°	17.0
77.5°	13.0
80°	10.0
82.5°	8.0
85°	6.0
87.5°	3.0
90°	0.0

(END OF REPORT)