

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: P366174

Luminaire Tested: **FLD6BX30D010-FEU6B35-8030-F6LBXVM1-WMH-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366174
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-29)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX30D010-FEU6B35-8030-F6LBXVM1-WMH-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2221.0 lumens
Efficiency: N/A
Efficacy: 82.3 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

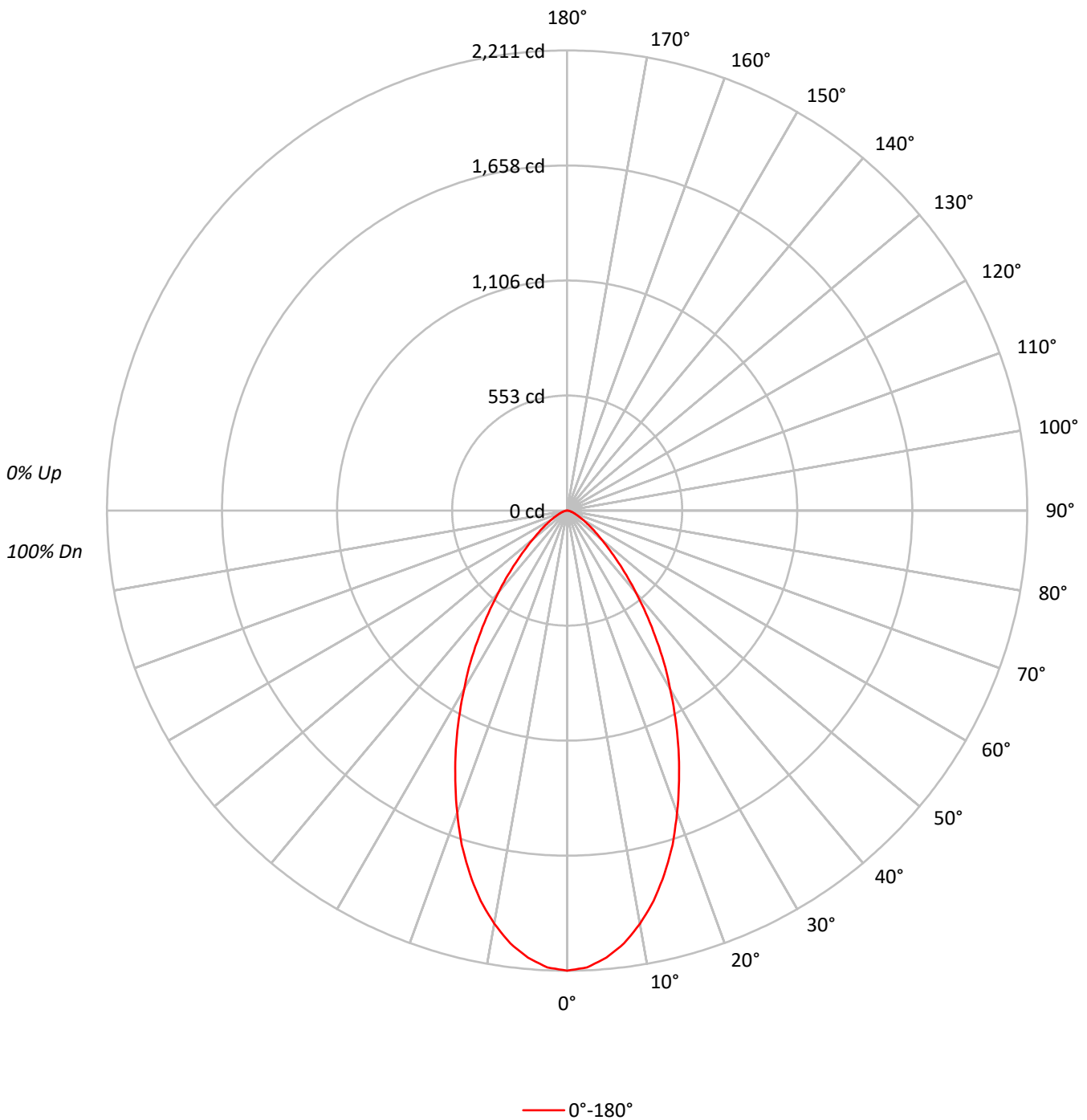
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83
3	100	92	86	82	97	91	85	81	88	84	80	85	82	79	83	80	77	76
4	94	85	79	74	92	84	78	73	82	77	72	79	75	72	78	74	71	69
5	88	79	72	67	86	78	71	67	76	70	66	74	69	66	72	68	65	63
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	63	60	58
7	79	68	61	57	77	67	61	57	66	60	56	65	60	56	64	59	56	54
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	50
9	70	60	53	49	69	59	53	49	58	53	49	57	52	48	56	52	48	47
10	67	56	50	46	66	56	50	46	55	49	45	54	49	45	53	49	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	158290
5°	155021
10°	146554
15°	133949
20°	117679
25°	100027
30°	81827
35°	64412
40°	47997
45°	34034
50°	24016
55°	17252
60°	12344
65°	8963
70°	6971
75°	5699
80°	4866
85°	4847



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.4	9.1
10°-20°	502.8	22.6
20°-30°	578.4	26.0
30°-40°	461.5	20.8
40°-50°	266.1	12.0
50°-60°	126.8	5.7
60°-70°	54.8	2.5
70°-80°	22.5	1.0
80°-90°	6.7	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°	1282.6	57.7
0°-40°	1744.1	78.5
0°-60°	2137.0	96.2
0°-90°	2221.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2221.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2211	
5°	2157	201
15°	1807	503
25°	1266	578
35°	737	462
45°	336	266
55°	138	127
65°	53	55
75°	21	22
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2210.7
2.5°	2197.0
5°	2156.8
7.5°	2097.1
10°	2015.7
12.5°	1920.7
15°	1807.0
17.5°	1683.5
20°	1544.4
22.5°	1404.2
25°	1266.1
27.5°	1125.9
30°	989.7
32.5°	865.3
35°	736.9
37.5°	622.3
40°	513.5
42.5°	420.4
45°	336.1
47.5°	269.5
50°	215.6
52.5°	172.5
55°	138.2
57.5°	108.8
60°	86.2
62.5°	67.6
65°	52.9
67.5°	42.1
70°	33.3
72.5°	26.5
75°	20.6
77.5°	15.7
80°	11.8
82.5°	8.8
85°	5.9
87.5°	3.9
90°	0.0

(END OF REPORT)