

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: P366228

Luminaire Tested: **FLD6BX30D010-FEU6B35-8050-F6LBXVM1-WMH-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366228
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-FEU6B35-8050-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: 2345.0 lumens
Efficiency: N/A
Efficacy: 86.9 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

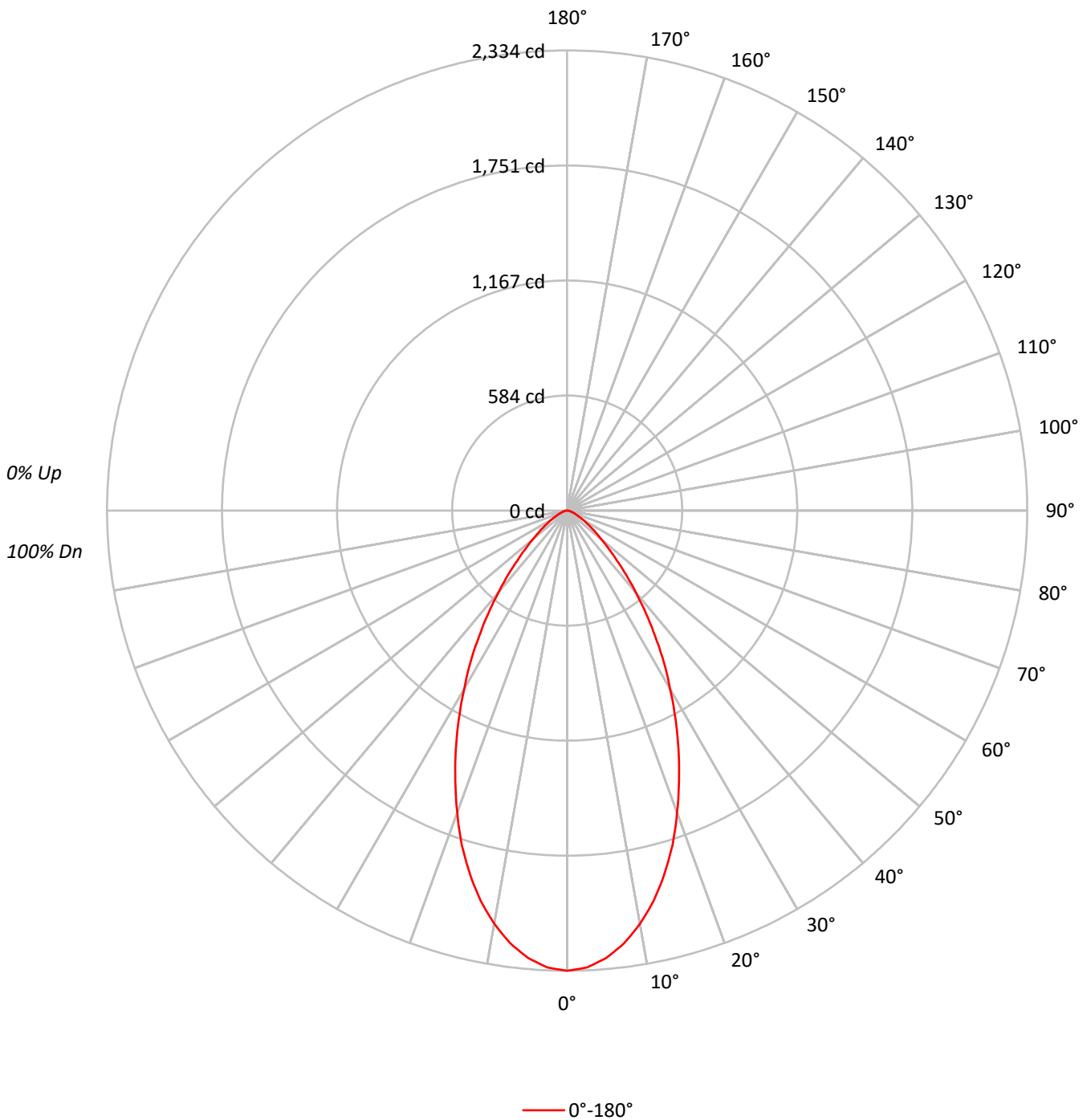
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	167126
5°	163675
10°	154741
15°	141428
20°	124247
25°	105612
30°	86399
35°	68005
40°	50679
45°	35937
50°	25353
55°	18213
60°	13032
65°	9471
70°	7369
75°	6003
80°	5113
85°	5094



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.7	9.1
10°-20°	530.9	22.6
20°-30°	610.7	26.0
30°-40°	487.3	20.8
40°-50°	280.9	12.0
50°-60°	133.9	5.7
60°-70°	57.9	2.5
70°-80°	23.7	1.0
80°-90°	7.0	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°	1354.2	57.8
0°-40°	1841.5	78.5
0°-60°	2256.3	96.2
0°-90°	2345.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2345.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2334	
5°	2277	213
15°	1908	531
25°	1337	611
35°	778	487
45°	355	281
55°	146	134
65°	56	58
75°	22	24
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2334.1
2.5°	2319.7
5°	2277.2
7.5°	2214.1
10°	2128.3
12.5°	2027.9
15°	1907.9
17.5°	1777.5
20°	1630.6
22.5°	1482.6
25°	1336.8
27.5°	1188.8
30°	1045.0
32.5°	913.6
35°	778.0
37.5°	657.0
40°	542.2
42.5°	443.9
45°	354.9
47.5°	284.5
50°	227.6
52.5°	182.1
55°	145.9
57.5°	114.8
60°	91.0
62.5°	71.4
65°	55.9
67.5°	44.5
70°	35.2
72.5°	27.9
75°	21.7
77.5°	16.6
80°	12.4
82.5°	9.3
85°	6.2
87.5°	4.1
90°	0.0

(END OF REPORT)