

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: P364734

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364734
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-23)
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-LI-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2270.0 lumens
Efficiency: N/A
Efficacy: 84.1 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.87
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

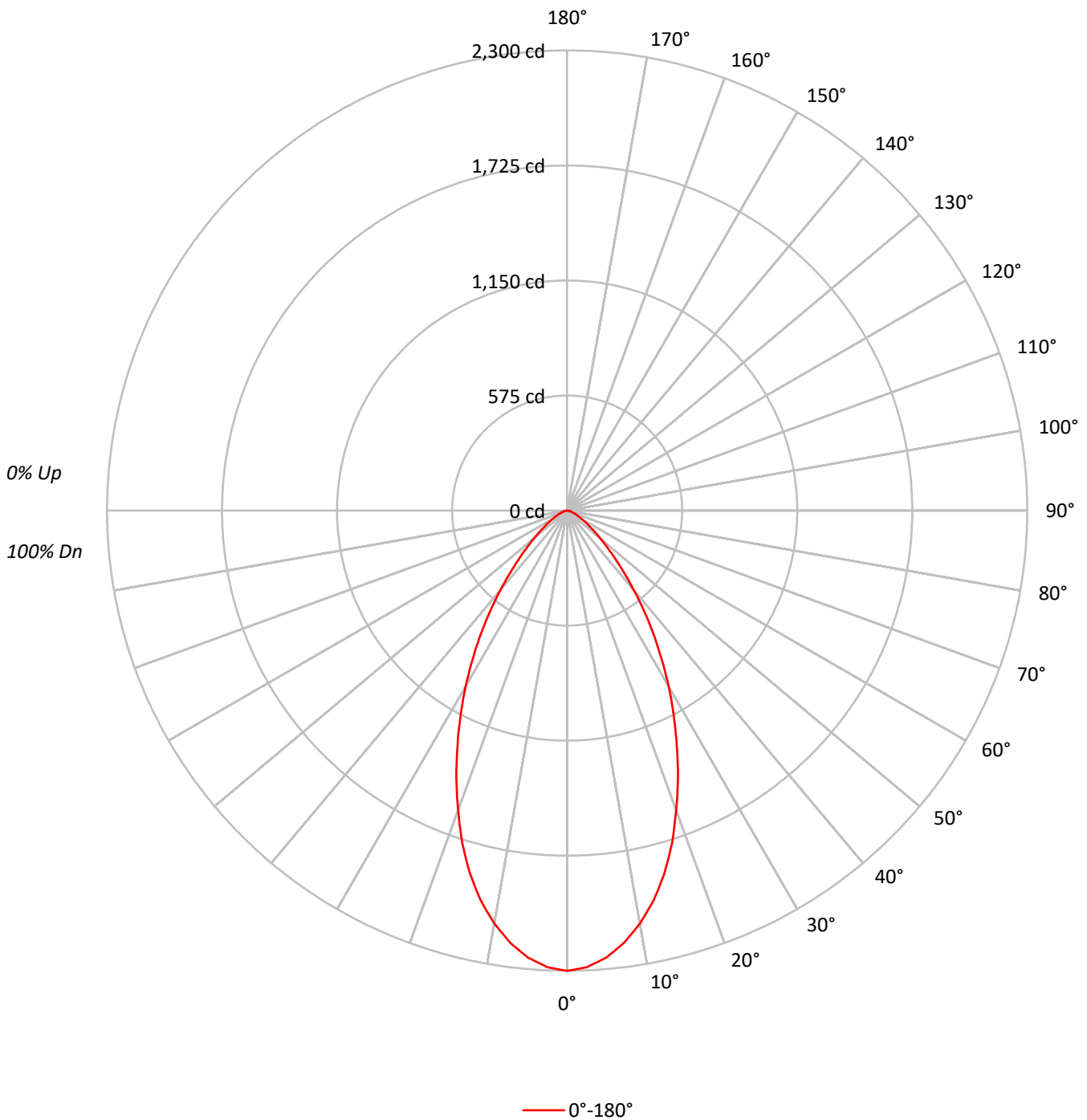
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	99	94	91	95	92	89	92	89	87	89	87	85	83
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76
4	94	85	79	74	92	84	78	74	82	77	73	80	75	72	78	74	71	69
5	88	79	72	67	87	78	72	67	76	71	67	74	70	66	73	69	65	64
6	83	73	67	62	82	73	66	62	71	65	61	69	65	61	68	64	60	59
7	79	68	62	57	77	68	61	57	66	61	57	65	60	56	64	59	56	54
8	75	64	57	53	73	63	57	53	62	57	52	61	56	52	60	55	52	50
9	71	60	54	49	69	60	53	49	59	53	49	58	52	49	57	52	49	47
10	67	57	50	46	66	56	50	46	55	50	46	54	49	46	54	49	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	164713
5°	161180
10°	152356
15°	139130
20°	121359
25°	102444
30°	83952
35°	65627
40°	48371
45°	34044
50°	24016
55°	17002
60°	12072
65°	8963
70°	6971
75°	5699
80°	5237
85°	5669



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.4	9.2
10°-20°	521.3	23.0
20°-30°	593.9	26.2
30°-40°	468.8	20.7
40°-50°	266.5	11.7
50°-60°	125.7	5.5
60°-70°	54.4	2.4
70°-80°	22.6	1.0
80°-90°	7.3	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°	1324.7	58.4
0°-40°	1793.5	79.0
0°-60°	2185.6	96.3
0°-90°	2270.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2270.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2300	
5°	2242	209
15°	1877	521
25°	1297	594
35°	751	469
45°	336	266
55°	136	126
65°	53	54
75°	21	23
85°	7	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2300.4
2.5°	2283.7
5°	2242.5
7.5°	2178.8
10°	2095.5
12.5°	1995.5
15°	1876.9
17.5°	1742.7
20°	1592.7
22.5°	1447.6
25°	1296.7
27.5°	1152.6
30°	1015.4
32.5°	876.2
35°	750.8
37.5°	630.2
40°	517.5
42.5°	421.5
45°	336.2
47.5°	268.6
50°	215.6
52.5°	171.5
55°	136.2
57.5°	107.8
60°	84.3
62.5°	66.6
65°	52.9
67.5°	42.1
70°	33.3
72.5°	26.5
75°	20.6
77.5°	15.7
80°	12.7
82.5°	9.8
85°	6.9
87.5°	3.9
90°	0.0

(END OF REPORT)