

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: P364718

Luminaire Tested: **FLD6BX30D010-FEU6B35-8027-F6LBXVM1-LI-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364718
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-26)
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-LI-BTR82
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2048.0 lumens
Efficiency: N/A
Efficacy: 75.9 lumens/watt
Spacing Criteria (0/90/45): 1.07 / 1.07 / 1.07
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

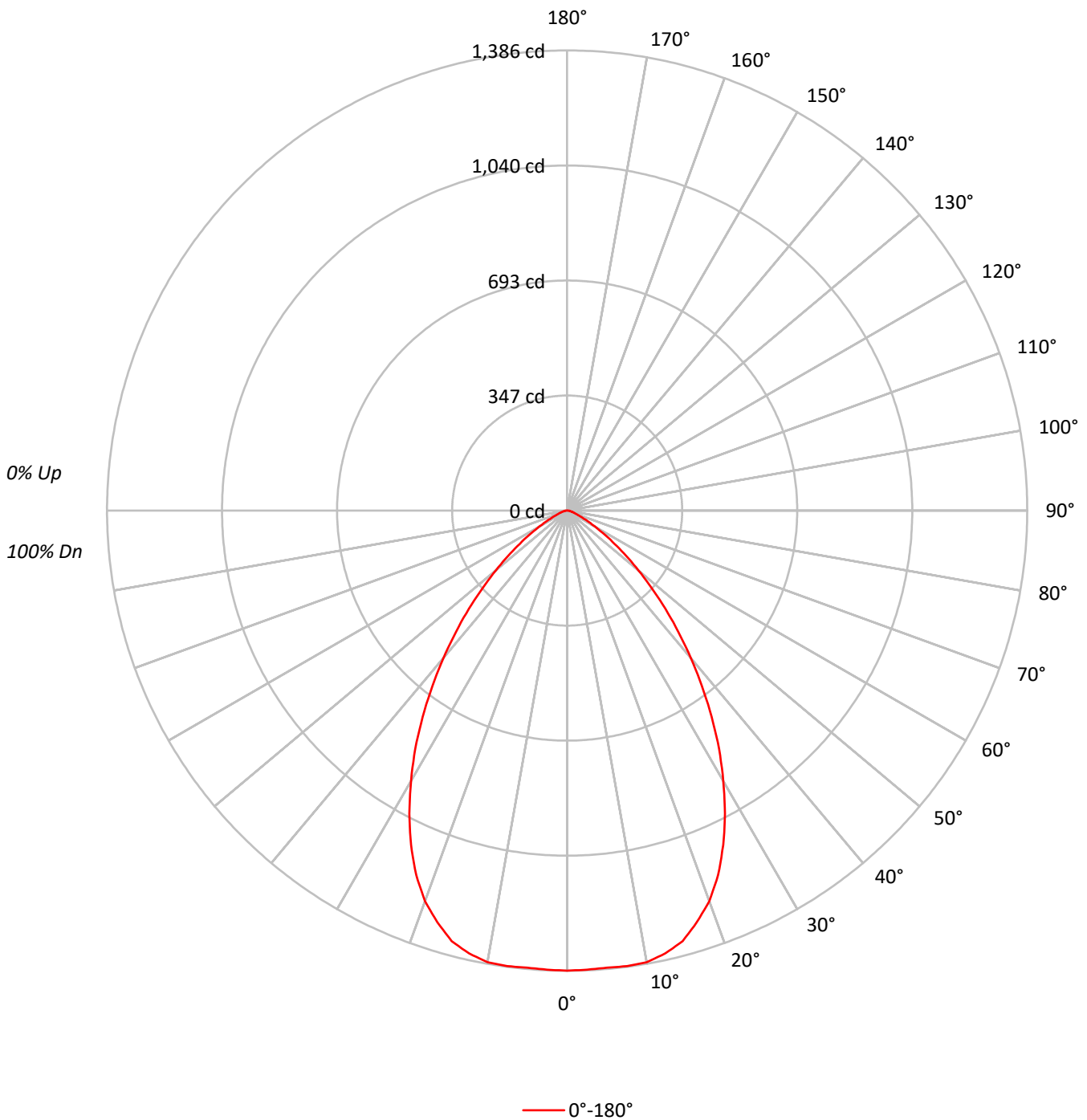
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	107	104	101	102	100	98		99	97	95		95	94	93	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	79	86	81	77		84	80	76		81	78	75	73
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63		71	66	62		69	65	61	60
6	81	70	63	57	79	69	62	57	67	61	57		66	60	56		64	60	56	54
7	76	65	57	52	74	64	57	52	62	56	52		61	56	52		60	55	51	50
8	71	60	53	48	70	59	53	48	58	52	48		57	51	47		56	51	47	46
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	43	42
10	63	52	45	41	62	52	45	41	51	45	41		50	44	40		49	44	40	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	99226
5°	99332
10°	100415
15°	99524
20°	95376
25°	87852
30°	77751
35°	66300
40°	54156
45°	42347
50°	31223
55°	21659
60°	13833
65°	8420
70°	5694
75°	4399
80°	3876
85°	5422



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.0	6.4
10°-20°	375.4	18.3
20°-30°	507.9	24.8
30°-40°	472.4	23.1
40°-50°	323.7	15.8
50°-60°	159.5	7.8
60°-70°	53.3	2.6
70°-80°	17.7	0.9
80°-90°	6.2	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°	1015.3	49.6
0°-40°	1487.7	72.6
0°-60°	1970.9	96.2
0°-90°	2048.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2048.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1386	
5°	1382	132
15°	1343	375
25°	1112	508
35°	758	472
45°	418	324
55°	174	160
65°	50	53
75°	16	18
85°	7	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1385.8
2.5°	1383.9
5°	1382.0
7.5°	1383.9
10°	1381.1
12.5°	1366.1
15°	1342.6
17.5°	1299.5
20°	1251.7
22.5°	1187.9
25°	1112.0
27.5°	1029.5
30°	940.4
32.5°	851.3
35°	758.5
37.5°	666.6
40°	579.4
42.5°	495.1
45°	418.2
47.5°	345.0
50°	280.3
52.5°	224.1
55°	173.5
57.5°	132.2
60°	96.6
62.5°	69.4
65°	49.7
67.5°	35.6
70°	27.2
72.5°	20.6
75°	15.9
77.5°	12.2
80°	9.4
82.5°	7.5
85°	6.6
87.5°	3.8
90°	0.0

(END OF REPORT)