

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: P364771

Luminaire Tested: **FLD6BX30D010-FEU6B35-8040-F6LBXVM1-LI-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364771
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-25)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX30D010-FEU6B35-8040-F6LBXVM1-LI-BTR81
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2228.0 lumens
Efficiency: N/A
Efficacy: 82.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.19
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

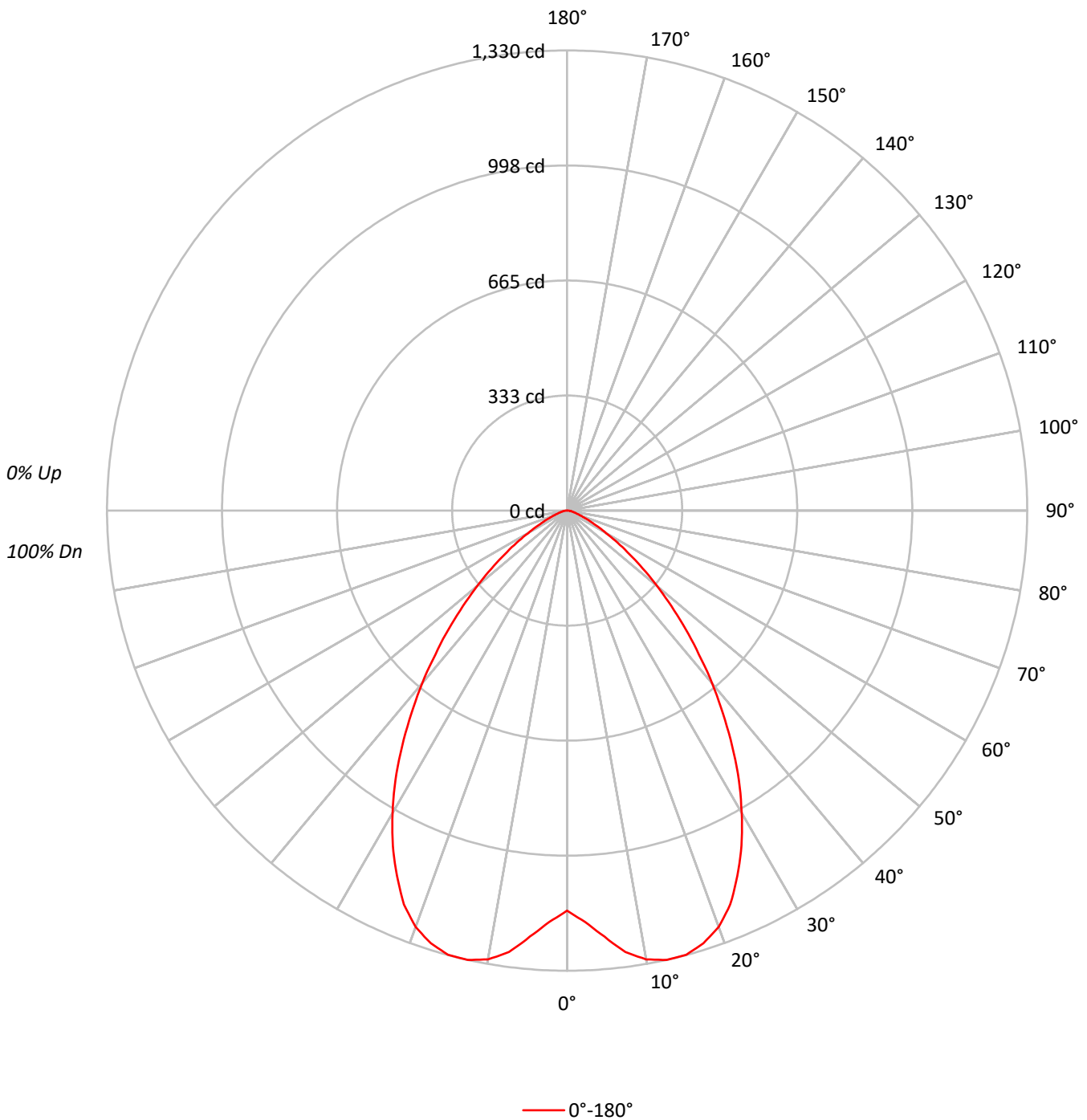
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	76	73	72
4	91	81	74	69	89	80	73	68	78	72	68	75	71	67	73	69	66	64
5	85	74	67	61	83	73	66	61	71	65	61	69	64	60	68	63	59	58
6	79	68	61	55	77	67	60	55	66	59	55	64	59	54	63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	42	51	46	41	50	45	41	40
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	82808
5°	88852
10°	95754
15°	98531
20°	97586
25°	92000
30°	83423
35°	72742
40°	60989
45°	49091
50°	37807
55°	27488
60°	18659
65°	12317
70°	8039
75°	6142
80°	5402
85°	6654



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.7	5.4
10°-20°	372.9	16.7
20°-30°	532.4	23.9
30°-40°	518.0	23.2
40°-50°	374.7	16.8
50°-60°	200.9	9.0
60°-70°	75.7	3.4
70°-80°	24.9	1.1
80°-90°	7.8	0.4
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°	1026.0	46.1
0°-40°	1544.0	69.3
0°-60°	2119.5	95.1
0°-90°	2228.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2228.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1156	
5°	1236	121
15°	1329	373
25°	1164	532
35°	832	518
45°	485	375
55°	220	201
65°	73	76
75°	22	25
85°	8	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1156.5
2.5°	1189.8
5°	1236.2
7.5°	1286.7
10°	1317.0
12.5°	1330.2
15°	1329.2
17.5°	1311.0
20°	1280.7
22.5°	1232.2
25°	1164.5
27.5°	1091.8
30°	1009.0
32.5°	924.2
35°	832.2
37.5°	739.3
40°	652.5
42.5°	563.6
45°	484.8
47.5°	408.0
50°	339.4
52.5°	275.7
55°	220.2
57.5°	172.7
60°	130.3
62.5°	98.0
65°	72.7
67.5°	52.5
70°	38.4
72.5°	29.3
75°	22.2
77.5°	17.2
80°	13.1
82.5°	10.1
85°	8.1
87.5°	4.0
90°	0.0

(END OF REPORT)