

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: P365515

Luminaire Tested: **FLD6BX30D010-FEU6B35-8050-F6LBXVM1-MW-BTR89BI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365515
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-13)
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-MW-BTR89BI
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1794.0 lumens
Efficiency: N/A
Efficacy: 66.4 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

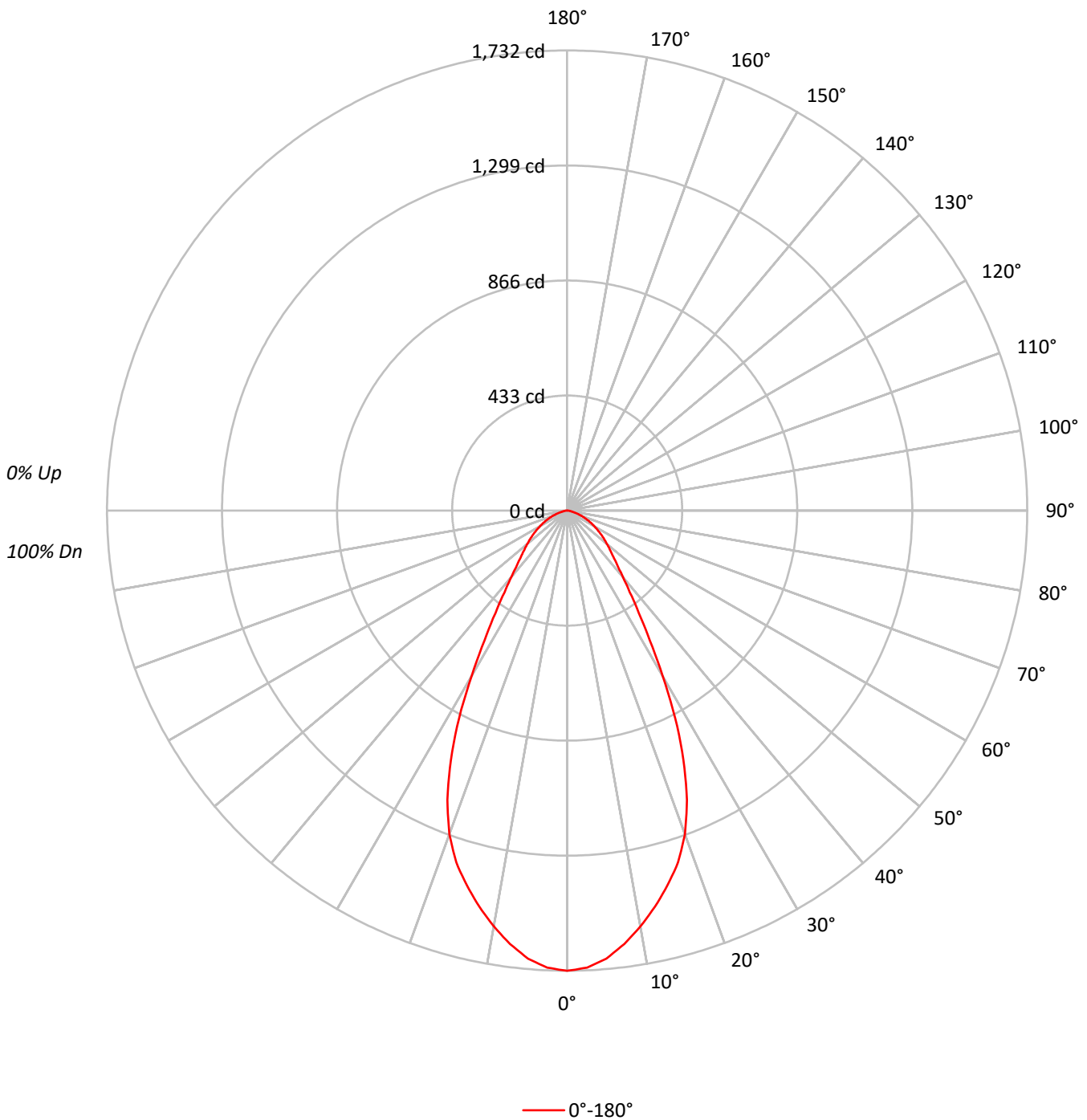
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	106	104	101	102	100	98		99	97	95		95	94	92	90
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	85	83	81
3	98	91	85	80	96	89	84	79	86	82	78		84	80	77		82	78	75	74
4	92	83	77	72	90	82	76	71	80	75	70		78	73	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	68	64		72	67	64		71	66	63	61
6	82	72	65	60	80	71	64	59	69	63	59		68	62	58		66	62	58	56
7	77	67	60	55	76	66	59	55	65	59	54		63	58	54		62	57	54	52
8	73	62	56	51	72	62	55	51	61	55	50		59	54	50		58	54	50	48
9	69	59	52	47	68	58	52	47	57	51	47		56	51	47		55	50	47	45
10	66	55	49	44	65	55	48	44	54	48	44		53	48	44		52	47	44	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	124022
5°	121671
10°	115545
15°	108212
20°	98767
25°	81880
30°	59405
35°	41083
40°	30387
45°	24849
50°	21800
55°	19387
60°	16898
65°	14384
70°	11493
75°	8299
80°	5979
85°	6819



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.2	8.8
10°-20°	408.2	22.8
20°-30°	466.9	26.0
30°-40°	302.7	16.9
40°-50°	193.0	10.8
50°-60°	139.0	7.7
60°-70°	84.5	4.7
70°-80°	33.6	1.9
80°-90°	7.9	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°	1033.2	57.6
0°-40°	1335.9	74.5
0°-60°	1667.9	93.0
0°-90°	1794.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1794.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1732	
5°	1693	158
15°	1460	408
25°	1036	467
35°	470	303
45°	245	193
55°	155	139
65°	85	85
75°	30	34
85°	8	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1732.1
2.5°	1721.8
5°	1692.8
7.5°	1645.1
10°	1589.2
12.5°	1527.1
15°	1459.8
17.5°	1388.4
20°	1296.2
22.5°	1178.2
25°	1036.4
27.5°	881.1
30°	718.5
32.5°	578.8
35°	470.0
37.5°	387.2
40°	325.1
42.5°	279.5
45°	245.4
47.5°	218.5
50°	195.7
52.5°	175.0
55°	155.3
57.5°	135.6
60°	118.0
62.5°	101.5
65°	84.9
67.5°	69.4
70°	54.9
72.5°	42.4
75°	30.0
77.5°	20.7
80°	14.5
82.5°	9.3
85°	8.3
87.5°	4.1
90°	0.0

(END OF REPORT)