

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: P365481

Luminaire Tested: **FLD6BX30D010-FEU6B35-8035-F6LBXVM1-MW-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365481
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX30D010-FEU6B35-8035-F6LBXVM1-MW-BTR94
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1779.1 lumens
Efficiency: N/A
Efficacy: 65.9 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

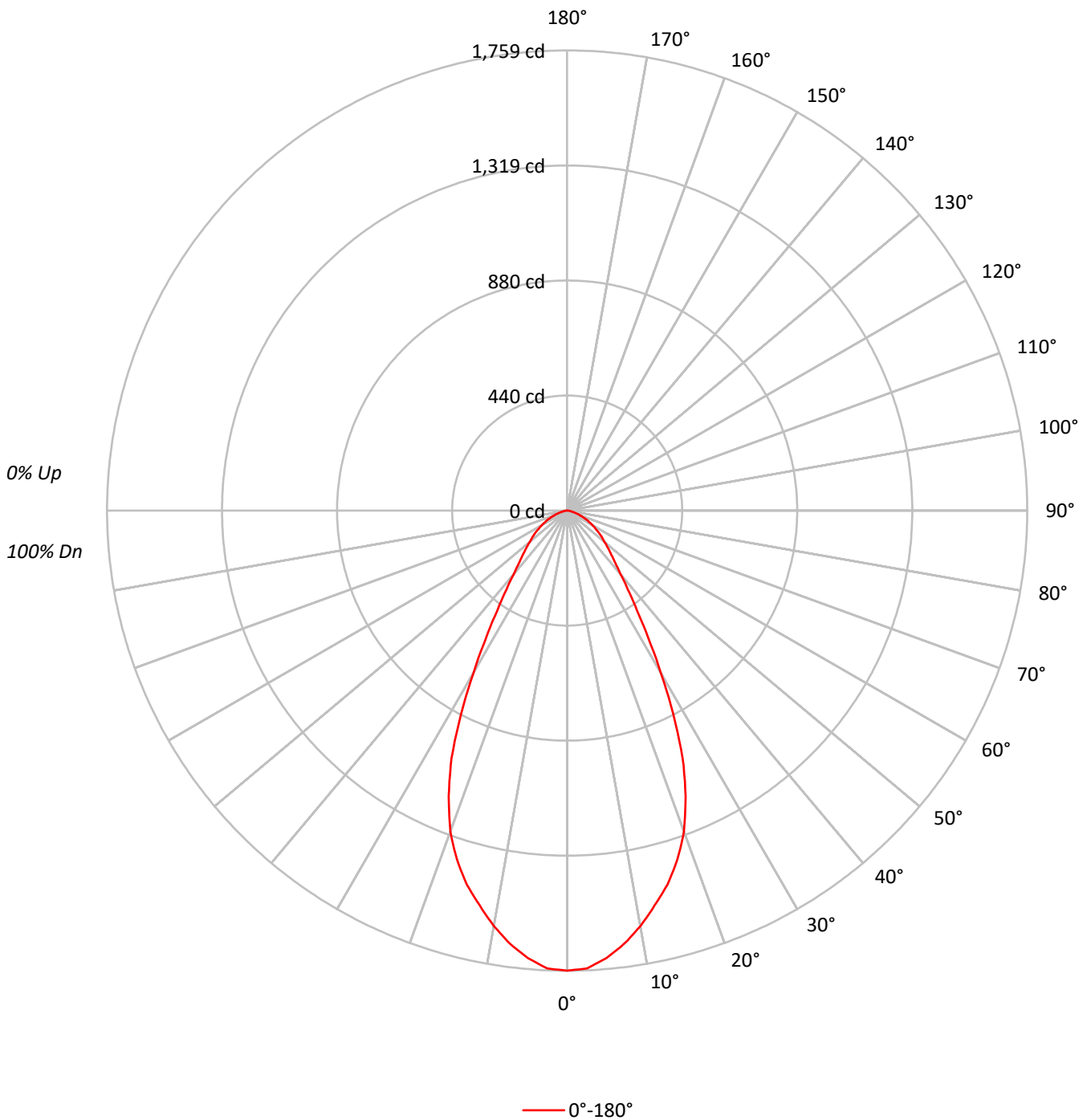
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	98	93	89	94	91	87	91	88	85	88	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	72	69	68
5	87	78	71	66	85	77	70	65	75	69	65	73	68	64	71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57
7	78	67	60	56	76	66	60	55	65	59	55	64	59	55	63	58	54	53
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	49
9	70	59	52	48	69	59	52	48	58	52	48	57	51	48	56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	125919
5°	123453
10°	117246
15°	109753
20°	99491
25°	82622
30°	59264
35°	40637
40°	29807
45°	24191
50°	20830
55°	18475
60°	16039
65°	13554
70°	10677
75°	7746
80°	4948
85°	5751



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.6	9.0
10°-20°	412.7	23.2
20°-30°	468.6	26.3
30°-40°	299.9	16.9
40°-50°	187.4	10.5
50°-60°	132.7	7.5
60°-70°	79.4	4.5
70°-80°	30.9	1.7
80°-90°	6.8	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°	1041.9	58.6
0°-40°	1341.9	75.4
0°-60°	1661.9	93.4
0°-90°	1779.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1779.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1759	
5°	1718	161
15°	1481	413
25°	1046	469
35°	465	300
45°	239	187
55°	148	133
65°	80	79
75°	28	31
85°	7	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1758.6
2.5°	1751.6
5°	1717.6
7.5°	1670.6
10°	1612.6
12.5°	1545.6
15°	1480.6
17.5°	1399.7
20°	1305.7
22.5°	1183.7
25°	1045.8
27.5°	878.8
30°	716.8
32.5°	575.9
35°	464.9
37.5°	381.9
40°	318.9
42.5°	271.9
45°	238.9
47.5°	211.0
50°	187.0
52.5°	168.0
55°	148.0
57.5°	129.0
60°	112.0
62.5°	95.0
65°	80.0
67.5°	65.0
70°	51.0
72.5°	39.0
75°	28.0
77.5°	19.0
80°	12.0
82.5°	8.0
85°	7.0
87.5°	4.0
90°	0.0

(END OF REPORT)