

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: P365446

Luminaire Tested: **FLD6BX30D010-FEU6B35-8027-F6LBXVM1-MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365446
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-5)
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-MW
Description: VANDAL RESISTANT OPEN, MATTE WHITE REFLECTOR, 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2411.0 lumens
Efficiency: N/A
Efficacy: 89.3 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.94
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

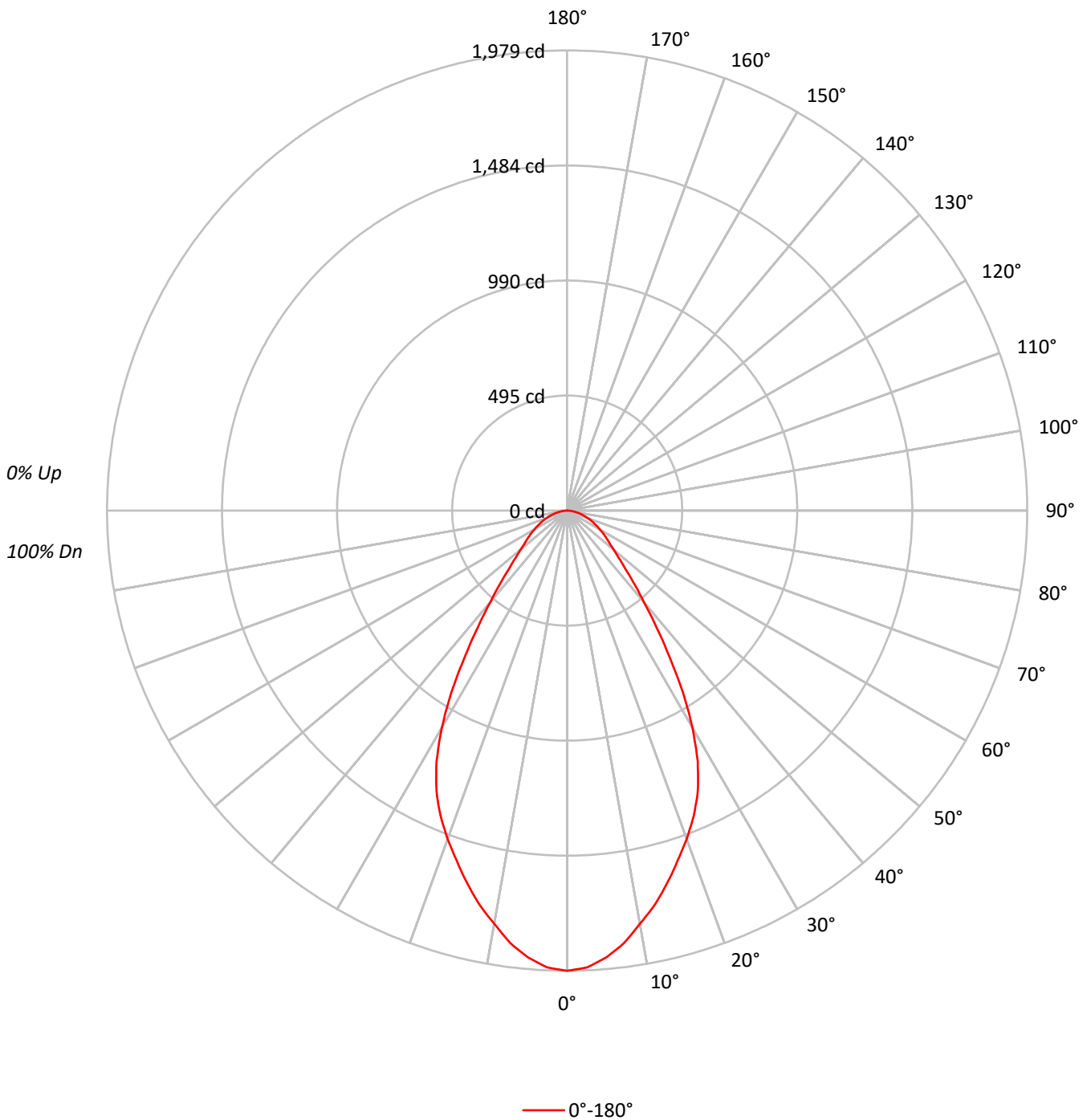
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	102	99	97	98	96	94	94	93	91	89
2	104	98	93	88	102	96	91	87	93	89	85	89	86	83	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71
4	91	81	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	59
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	54
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42
10	64	52	46	41	63	52	45	41	51	45	41	50	45	41	49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	54065
5°	52898
10°	50045
15°	46946
20°	43675
25°	40091
30°	33973
35°	25520
40°	18310
45°	13698
50°	11040
55°	9796
60°	8899
65°	8157
70°	7467
75°	6839
80°	6088
85°	5015



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.2	7.5
10°-20°	465.4	19.3
20°-30°	602.8	25.0
30°-40°	482.5	20.0
40°-50°	281.4	11.7
50°-60°	185.4	7.7
60°-70°	125.8	5.2
70°-80°	68.8	2.9
80°-90°	18.5	0.8
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°	1248.5	51.8
0°-40°	1731.0	71.8
0°-60°	2197.8	91.2
0°-90°	2411.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2411.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1979	
5°	1929	180
15°	1660	465
25°	1330	603
35°	765	483
45°	355	281
55°	206	185
65°	126	126
75°	65	69
85°	16	19
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1979.3
2.5°	1966.6
5°	1929.2
7.5°	1875.8
10°	1804.3
12.5°	1737.6
15°	1660.1
17.5°	1579.3
20°	1502.5
22.5°	1422.4
25°	1330.2
27.5°	1216.0
30°	1077.1
32.5°	926.9
35°	765.3
37.5°	629.7
40°	513.5
42.5°	425.4
45°	354.6
47.5°	300.5
50°	259.8
52.5°	229.0
55°	205.7
57.5°	184.3
60°	162.9
62.5°	144.2
65°	126.2
67.5°	110.2
70°	93.5
72.5°	78.8
75°	64.8
77.5°	51.4
80°	38.7
82.5°	26.7
85°	16.0
87.5°	6.0
90°	0.0

(END OF REPORT)