

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: P365438

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365438
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-20)
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-BTR82
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1514.0 lumens
Efficiency: N/A
Efficacy: 56.1 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.09
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

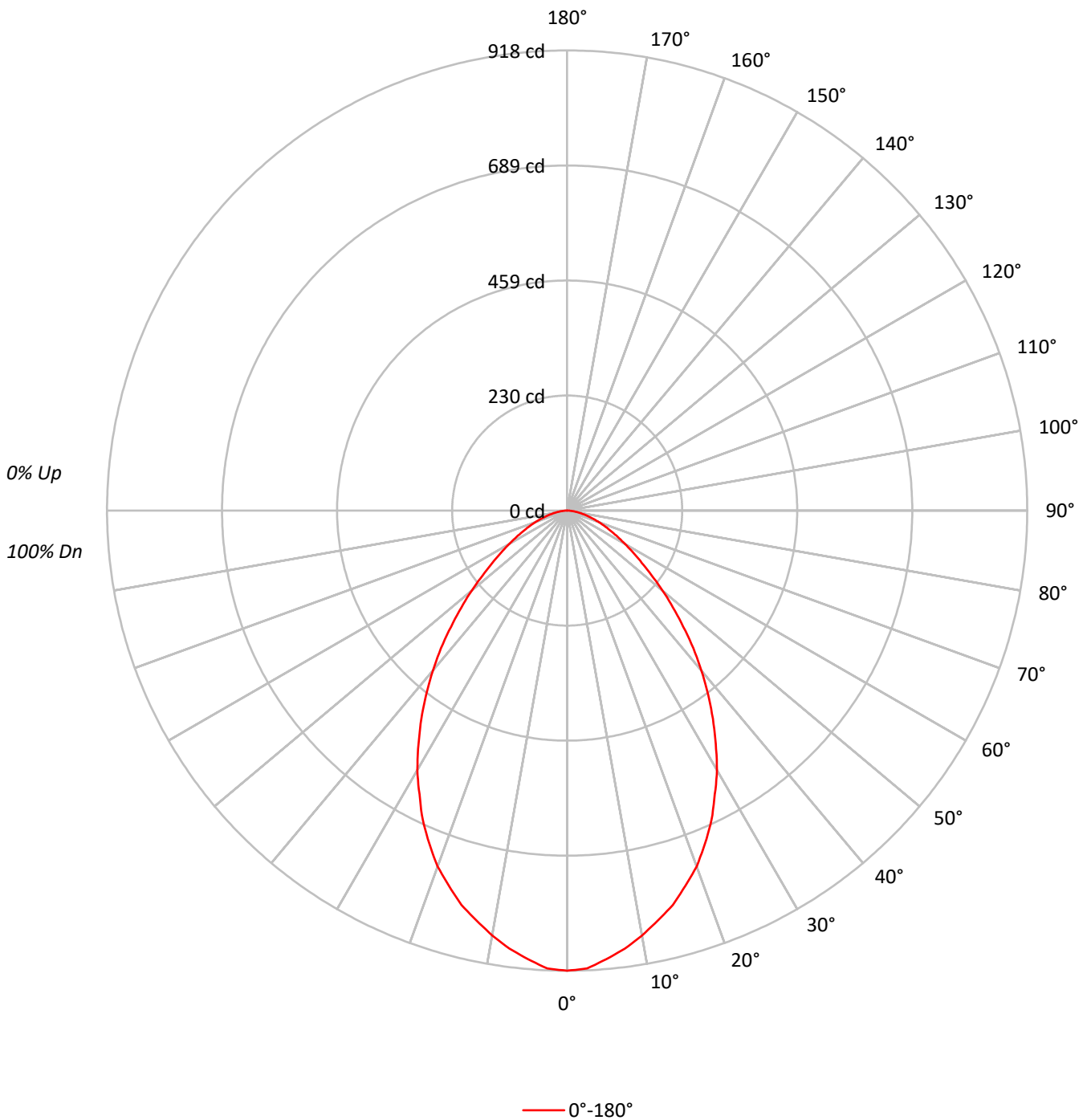
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77
3	95	86	79	74	93	85	78	73	82	77	72	79	75	71	77	73	70	68
4	88	78	71	65	86	77	70	64	74	68	64	72	67	63	70	66	62	60
5	82	71	63	58	80	70	63	57	68	62	57	66	61	56	64	59	56	54
6	77	65	57	52	75	64	57	51	62	56	51	61	55	50	59	54	50	48
7	72	60	52	46	70	59	52	46	57	51	46	56	50	46	55	50	45	44
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40
9	63	51	44	39	62	51	43	39	49	43	38	48	42	38	47	42	38	36
10	60	48	40	36	58	47	40	36	46	40	35	45	39	35	44	39	35	34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	65723
5°	64558
10°	62571
15°	60384
20°	57567
25°	53833
30°	49425
35°	44299
40°	38949
45°	33163
50°	27703
55°	22732
60°	19089
65°	16214
70°	14152
75°	11951
80°	9690
85°	7722



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.6	5.6
10°-20°	228.4	15.1
20°-30°	312.0	20.6
30°-40°	316.2	20.9
40°-50°	253.6	16.7
50°-60°	165.2	10.9
60°-70°	96.5	6.4
70°-80°	46.4	3.1
80°-90°	11.1	0.7
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°	625.0	41.3
0°-40°	941.3	62.2
0°-60°	1360.0	89.8
0°-90°	1514.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1514.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	918	
5°	898	85
15°	815	228
25°	681	312
35°	507	316
45°	328	254
55°	182	165
65°	96	96
75°	43	46
85°	9	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	917.9
2.5°	914.1
5°	898.2
7.5°	881.3
10°	860.6
12.5°	837.2
15°	814.6
17.5°	784.6
20°	755.5
22.5°	718.9
25°	681.4
27.5°	638.2
30°	597.8
32.5°	551.8
35°	506.8
37.5°	461.7
40°	416.7
42.5°	372.6
45°	327.5
47.5°	286.2
50°	248.7
52.5°	212.1
55°	182.1
57.5°	155.8
60°	133.3
62.5°	113.6
65°	95.7
67.5°	80.7
70°	67.6
72.5°	54.4
75°	43.2
77.5°	32.8
80°	23.5
82.5°	16.0
85°	9.4
87.5°	3.8
90°	0.0

(END OF REPORT)