

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: P366195

Luminaire Tested: **FLD6BX30D010-FEU6B35-8035-F6LBXVM1-WMH-BTR84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366195
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-30)
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-WMH-BTR84
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.125", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2227.0 lumens
Efficiency: N/A
Efficacy: 82.5 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.8
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

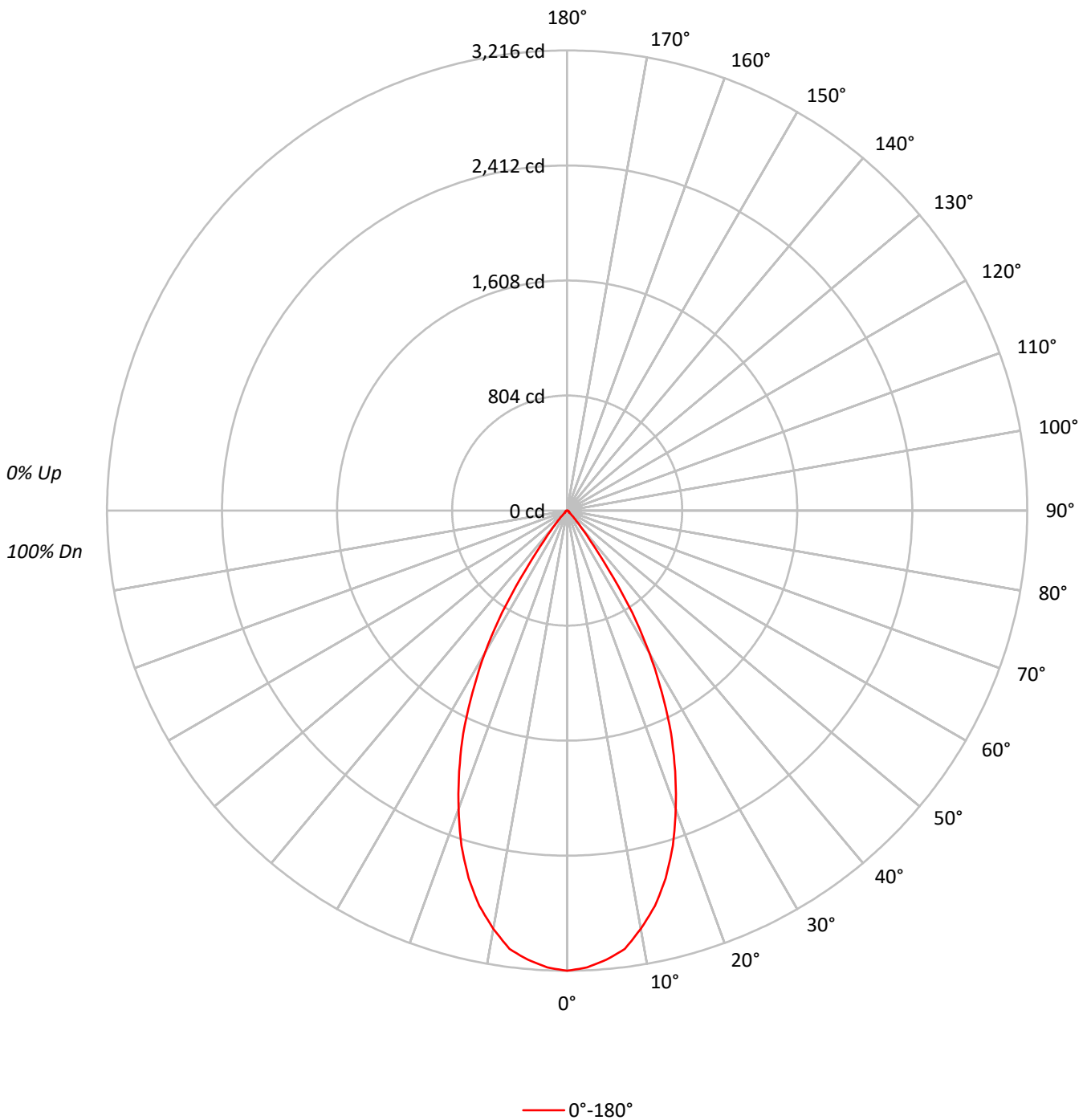
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89	87	84	83
4	99	92	87	83	97	91	86	82	89	85	81		87	83	80		85	82	80	78
5	94	87	81	77	93	86	81	77	84	80	76		82	79	76		81	78	75	74
6	90	82	76	72	89	81	76	72	80	75	72		78	74	71		77	74	71	69
7	86	78	72	68	85	77	72	68	76	71	68		75	70	67		73	70	67	66
8	82	74	68	64	81	73	68	64	72	67	64		71	67	64		70	66	63	62
9	79	70	64	61	78	69	64	61	69	64	60		68	63	60		67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57		65	60	57		64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	230250
5°	226458
10°	215778
15°	197172
20°	169089
25°	135673
30°	95122
35°	43950
40°	14105
45°	4557
50°	2116
55°	1873
60°	1862
65°	1694
70°	1675
75°	1937
80°	2474
85°	4108



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.5	13.3
10°-20°	736.1	33.1
20°-30°	773.0	34.7
30°-40°	343.0	15.4
40°-50°	44.3	2.0
50°-60°	13.9	0.6
60°-70°	9.8	0.4
70°-80°	7.1	0.3
80°-90°	4.4	0.2
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°	1804.6	81.0
0°-40°	2147.6	96.4
0°-60°	2205.8	99.0
0°-90°	2227.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2227.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3216	
5°	3151	295
15°	2660	736
25°	1717	773
35°	503	343
45°	45	44
55°	15	14
65°	10	10
75°	7	7
85°	5	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3215.7
2.5°	3195.7
5°	3150.7
7.5°	3089.7
10°	2967.8
12.5°	2830.8
15°	2659.9
17.5°	2455.0
20°	2219.1
22.5°	1971.2
25°	1717.3
27.5°	1432.4
30°	1150.5
32.5°	845.7
35°	502.8
37.5°	267.9
40°	150.9
42.5°	83.0
45°	45.0
47.5°	23.0
50°	19.0
52.5°	17.0
55°	15.0
57.5°	14.0
60°	13.0
62.5°	11.0
65°	10.0
67.5°	8.0
70°	8.0
72.5°	7.0
75°	7.0
77.5°	6.0
80°	6.0
82.5°	5.0
85°	5.0
87.5°	3.0
90°	0.0

(END OF REPORT)