

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: P366183

Luminaire Tested: **FLD6BX30D010-FEU6B35-8030-F6LBXVM1-WMH-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366183
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-33)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX30D010-FEU6B35-8030-F6LBXVM1-WMH-BTR94
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2219.0 lumens
Efficiency: N/A
Efficacy: 82.2 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

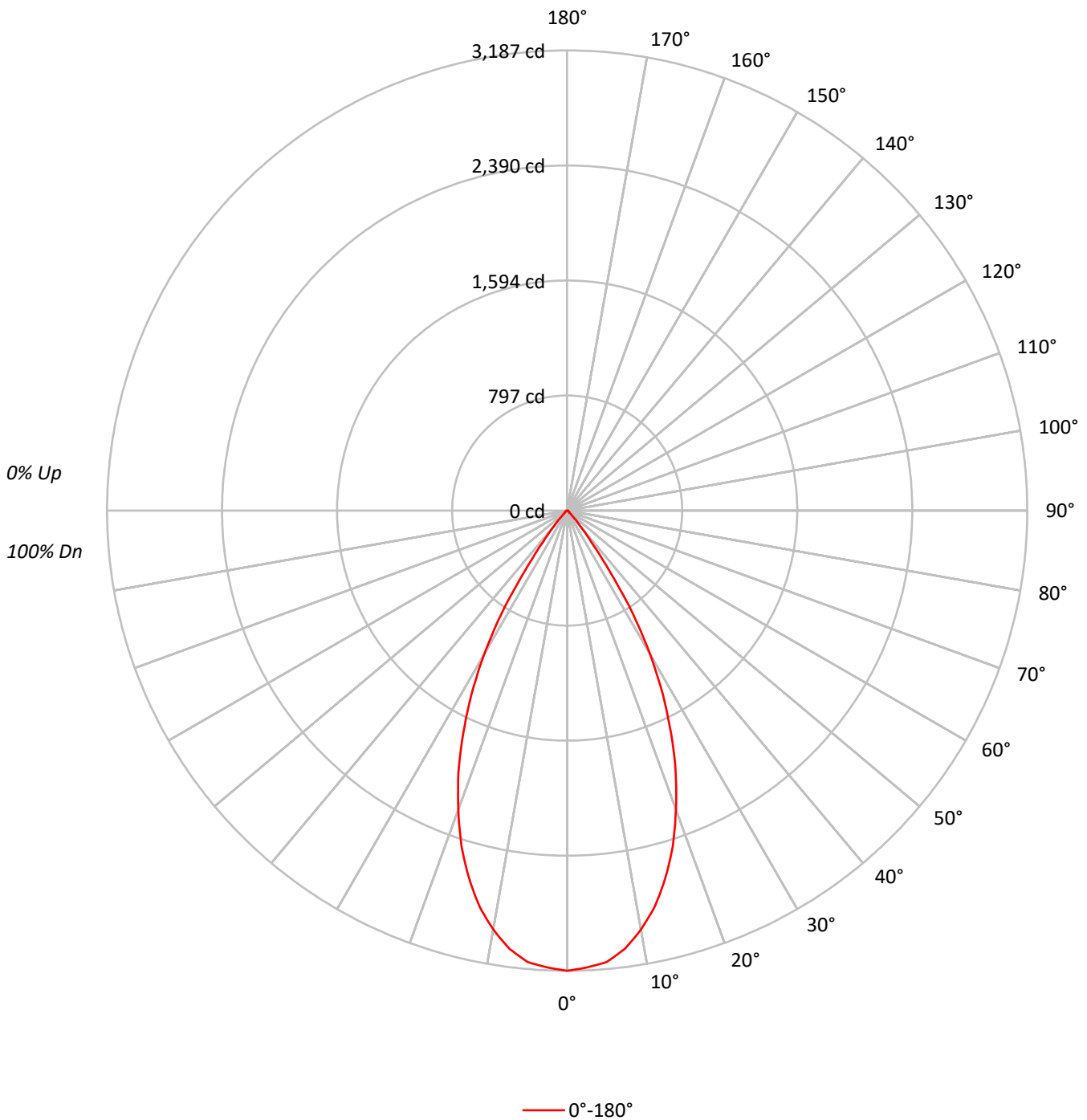
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	88	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	79	78
5	94	87	81	77	93	86	81	77	84	80	76		82	78	75		81	77	75	73
6	90	82	76	72	89	81	76	72	80	75	72		78	74	71		77	73	71	69
7	86	78	72	68	85	77	72	68	76	71	67		74	70	67		73	70	67	65
8	82	74	68	64	81	73	68	64	72	67	64		71	67	63		70	66	63	62
9	79	70	64	61	78	69	64	61	68	64	60		68	63	60		67	63	60	59
10	76	66	61	57	75	66	61	57	65	61	57		65	60	57		64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	228202
5°	225617
10°	214193
15°	195060
20°	167870
25°	134488
30°	94882
35°	43950
40°	14291
45°	4567
50°	2183
55°	1960
60°	1819
65°	1660
70°	1633
75°	2158
80°	2433
85°	4026



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.3	13.2
10°-20°	729.8	32.9
20°-30°	770.1	34.7
30°-40°	344.6	15.5
40°-50°	45.1	2.0
50°-60°	13.9	0.6
60°-70°	9.8	0.4
70°-80°	7.8	0.3
80°-90°	4.5	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°	1793.2	80.8
0°-40°	2137.9	96.3
0°-60°	2196.9	99.0
0°-90°	2219.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2219.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3187	
5°	3139	293
15°	2631	730
25°	1702	770
35°	503	345
45°	45	45
55°	16	14
65°	10	10
75°	8	8
85°	5	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3187.1
2.5°	3166.5
5°	3139.0
7.5°	3061.6
10°	2946.0
12.5°	2807.8
15°	2631.4
17.5°	2435.4
20°	2203.1
22.5°	1966.9
25°	1702.3
27.5°	1434.8
30°	1147.6
32.5°	850.7
35°	502.8
37.5°	273.4
40°	152.9
42.5°	85.3
45°	45.1
47.5°	23.5
50°	19.6
52.5°	16.7
55°	15.7
57.5°	13.7
60°	12.7
62.5°	10.8
65°	9.8
67.5°	8.8
70°	7.8
72.5°	7.8
75°	7.8
77.5°	6.9
80°	5.9
82.5°	5.9
85°	4.9
87.5°	2.9
90°	0.0

(END OF REPORT)