

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: P366136

Luminaire Tested: **FLD6BX20D010-FEU6B12-8050-F6LBXVM1-WMH-BL89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366136
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-45)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX20D010-FEU6B12-8050-F6LBXVM1-WMH-BL89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS ACRYLIC, CLEAR 0.125", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1948.0 lumens
Efficiency: N/A
Efficacy: 96.0 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

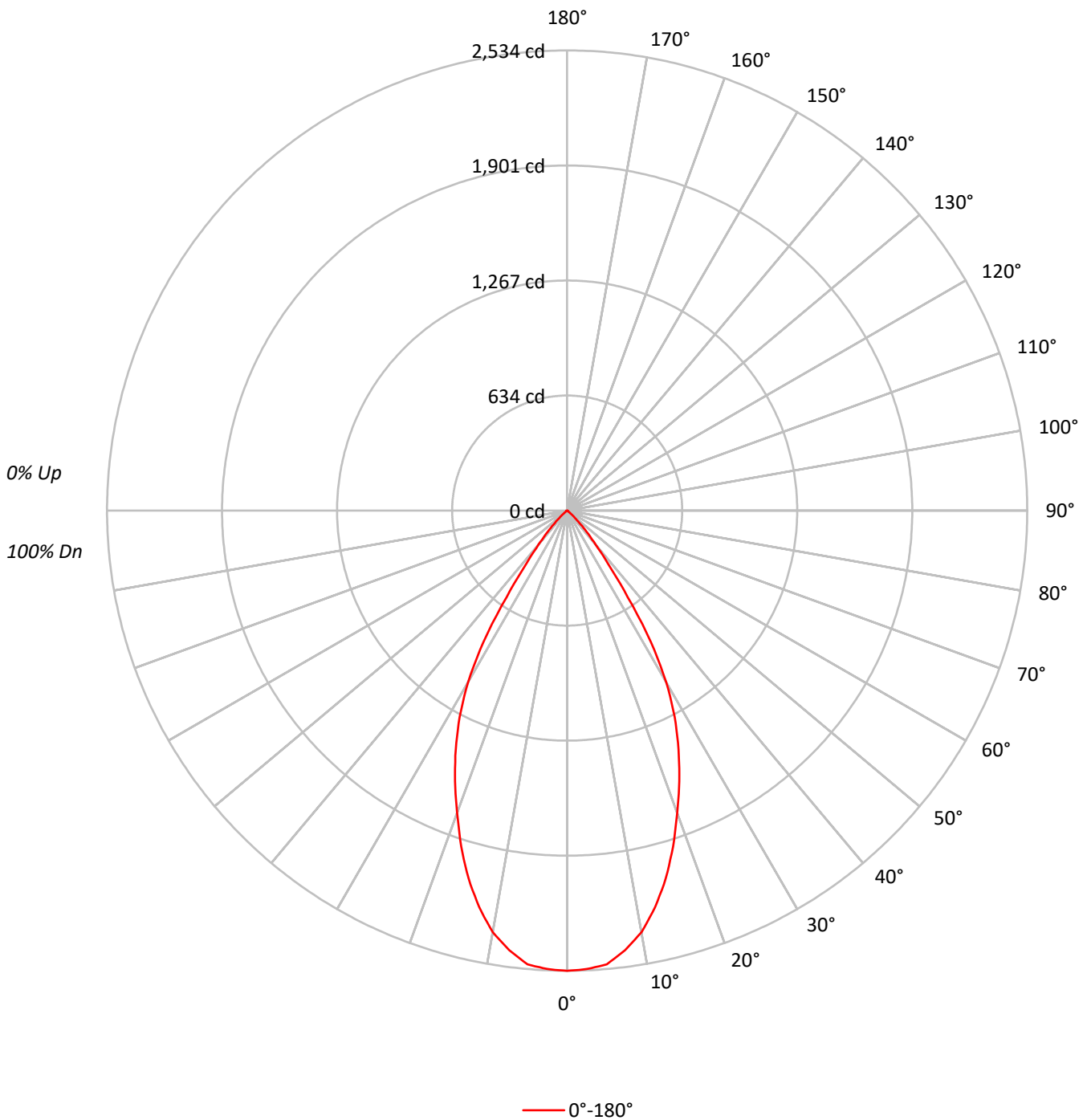
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	104	100	97	106	102	99	96	99	96	93		96	94	91		93	91	90	88
3	103	97	92	89	101	96	91	88	93	89	86		91	88	85		88	86	84	82
4	98	91	86	82	97	90	85	81	88	84	80		86	82	79		84	81	78	77
5	94	86	80	76	92	85	79	76	83	78	75		81	77	74		80	76	74	72
6	89	81	75	71	88	80	74	71	78	74	70		77	73	70		76	72	69	68
7	85	76	70	66	84	75	70	66	74	69	66		73	69	65		72	68	65	64
8	81	72	66	62	80	71	66	62	70	65	62		69	65	62		68	64	61	60
9	77	68	62	59	76	68	62	58	67	62	58		66	61	58		65	61	58	57
10	74	65	59	55	73	64	59	55	63	58	55		63	58	55		62	58	55	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	69225
5°	68768
10°	65386
15°	59335
20°	51471
25°	43756
30°	34433
35°	19397
40°	8711
45°	3623
50°	1088
55°	305
60°	197
65°	136
70°	112
75°	148
80°	110
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.2	12.0
10°-20°	582.4	29.9
20°-30°	659.4	33.9
30°-40°	378.1	19.4
40°-50°	82.2	4.2
50°-60°	8.1	0.4
60°-70°	2.3	0.1
70°-80°	1.2	0.1
80°-90°	0.1	0.0
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°	1476.0	75.8
0°-40°	1854.1	95.2
0°-60°	1944.3	99.8
0°-90°	1948.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1948.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2534	
5°	2508	234
15°	2098	582
25°	1452	659
35°	582	378
45°	94	82
55°	6	8
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2534.3
2.5°	2527.2
5°	2508.0
7.5°	2442.0
10°	2357.4
12.5°	2236.7
15°	2098.2
17.5°	1939.1
20°	1770.7
22.5°	1613.1
25°	1451.8
27.5°	1281.4
30°	1091.7
32.5°	860.2
35°	581.7
37.5°	367.9
40°	244.3
42.5°	156.3
45°	93.8
47.5°	51.1
50°	25.6
52.5°	10.7
55°	6.4
57.5°	5.0
60°	3.6
62.5°	2.8
65°	2.1
67.5°	2.1
70°	1.4
72.5°	1.4
75°	1.4
77.5°	0.7
80°	0.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)