

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: P365369

Luminaire Tested: **FLD6BX20D010-FEU6B12-8030-F6LBXVM1-MW-BTR86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365369
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-17)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX20D010-FEU6B12-8030-F6LBXVM1-MW-BTR86
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1149.0 lumens
Efficiency: N/A
Efficacy: 56.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

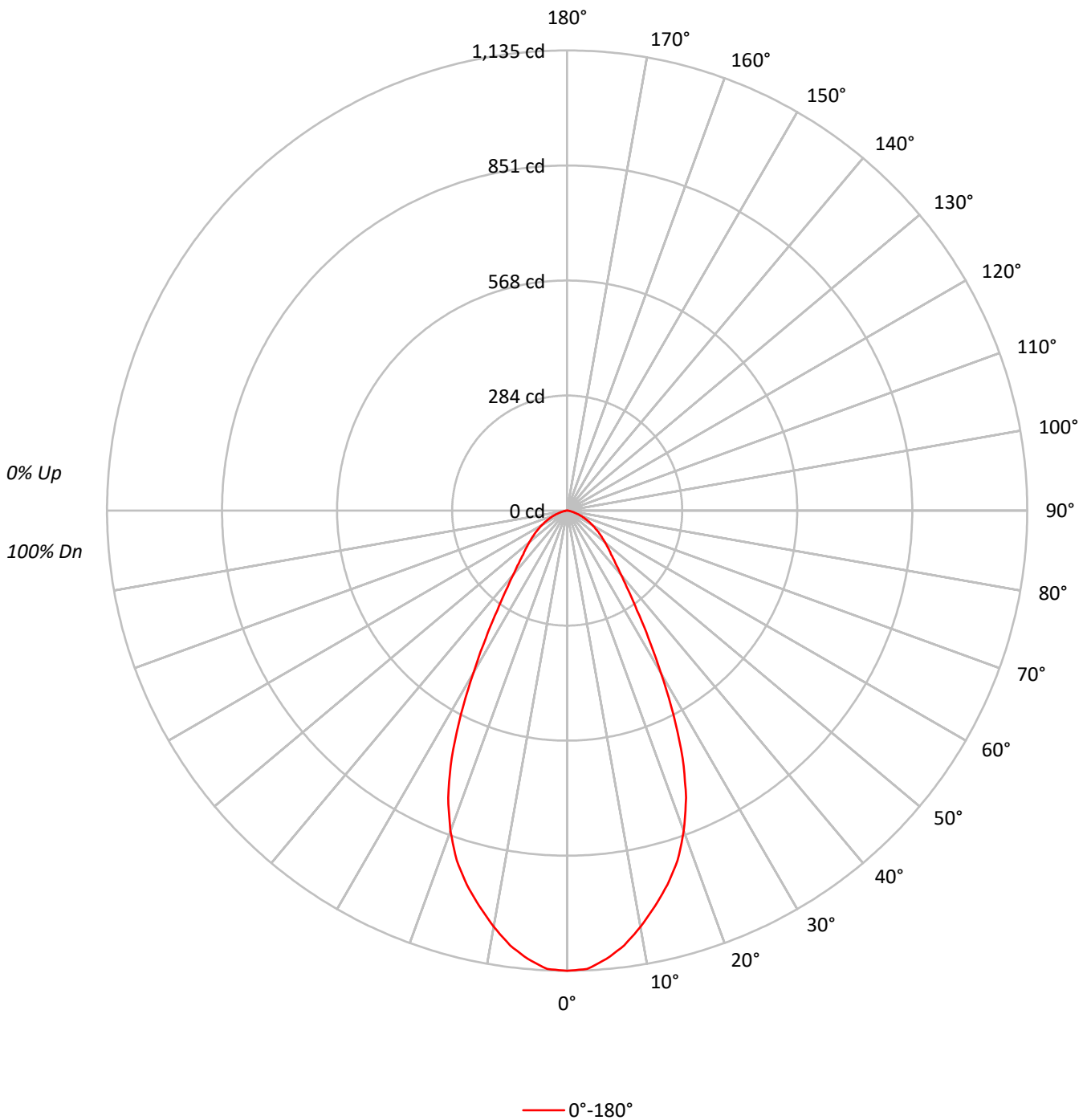
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	101	103	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	72	69	68
5	87	78	71	66	86	77	70	65	75	69	65	73	68	64	71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57
7	78	67	60	56	76	66	60	55	65	59	55	64	59	55	63	58	54	53
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	49
9	70	59	52	48	69	59	52	48	58	52	48	57	51	48	56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	81275
5°	79796
10°	75782
15°	70829
20°	64097
25°	53233
30°	38198
35°	26214
40°	19292
45°	15594
50°	13556
55°	11922
60°	10311
65°	8776
70°	6888
75°	4841
80°	3051
85°	3286



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.9	9.0
10°-20°	266.6	23.2
20°-30°	302.4	26.3
30°-40°	193.8	16.9
40°-50°	121.5	10.6
50°-60°	85.7	7.5
60°-70°	51.5	4.5
70°-80°	19.6	1.7
80°-90°	3.9	0.3
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°	672.9	58.6
0°-40°	866.7	75.4
0°-60°	1074.0	93.5
0°-90°	1149.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1149.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1135	
5°	1110	104
15°	956	267
25°	674	302
35°	300	194
45°	154	122
55°	96	86
65°	52	52
75°	18	20
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1135.1
2.5°	1131.7
5°	1110.2
7.5°	1081.3
10°	1042.3
12.5°	999.9
15°	955.5
17.5°	905.1
20°	841.2
22.5°	766.6
25°	673.8
27.5°	566.9
30°	462.0
32.5°	373.2
35°	299.9
37.5°	246.8
40°	206.4
42.5°	176.9
45°	154.0
47.5°	137.2
50°	121.7
52.5°	108.3
55°	95.5
57.5°	83.4
60°	72.0
62.5°	61.9
65°	51.8
67.5°	42.4
70°	32.9
72.5°	24.9
75°	17.5
77.5°	12.1
80°	7.4
82.5°	4.7
85°	4.0
87.5°	2.0
90°	0.0

(END OF REPORT)