

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: P365405

Luminaire Tested: **FLD6BX20D010-FEU6B12-8040-F6LBXVM1-MW-BTR86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365405
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-FEU6B12-8040-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: 1185.0 lumens
Efficiency: N/A
Efficacy: 58.4 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

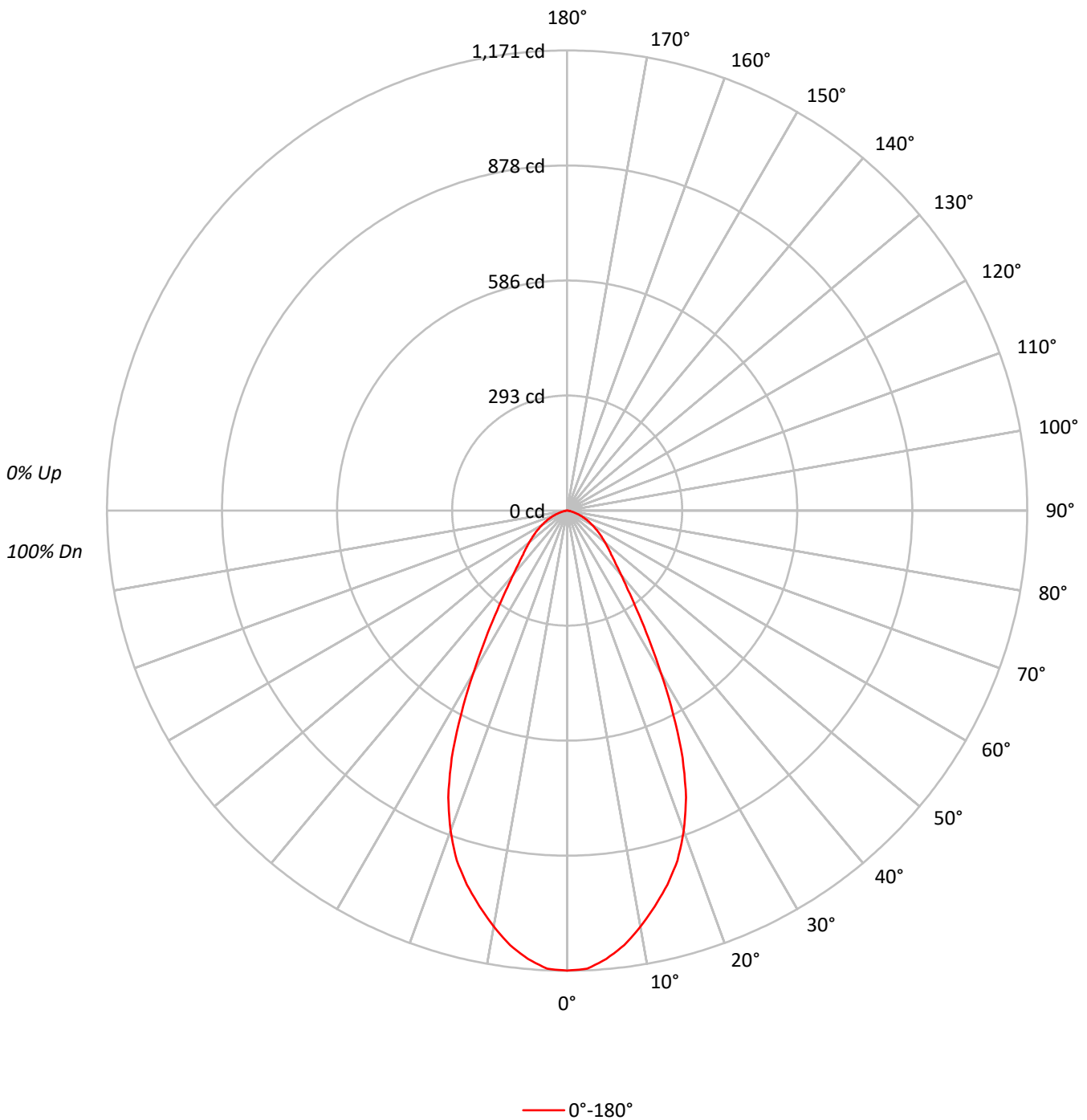
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	83817
5°	82297
10°	78152
15°	73053
20°	66109
25°	54900
30°	39388
35°	27036
40°	19900
45°	16080
50°	13980
55°	12296
60°	10626
65°	9047
70°	7118
75°	4980
80°	3134
85°	3450



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.1	9.0
10°-20°	275.0	23.2
20°-30°	311.9	26.3
30°-40°	199.9	16.9
40°-50°	125.3	10.6
50°-60°	88.4	7.5
60°-70°	53.1	4.5
70°-80°	20.3	1.7
80°-90°	4.1	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°	694.0	58.6
0°-40°	893.9	75.4
0°-60°	1107.6	93.5
0°-90°	1185.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1185.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1171	
5°	1145	107
15°	986	275
25°	695	312
35°	309	200
45°	159	125
55°	98	88
65°	53	53
75°	18	20
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1170.6
2.5°	1167.2
5°	1145.0
7.5°	1115.2
10°	1074.9
12.5°	1031.2
15°	985.5
17.5°	933.5
20°	867.6
22.5°	790.6
25°	694.9
27.5°	584.6
30°	476.4
32.5°	384.9
35°	309.3
37.5°	254.5
40°	212.9
42.5°	182.4
45°	158.8
47.5°	141.5
50°	125.5
52.5°	111.7
55°	98.5
57.5°	86.0
60°	74.2
62.5°	63.8
65°	53.4
67.5°	43.7
70°	34.0
72.5°	25.7
75°	18.0
77.5°	12.5
80°	7.6
82.5°	4.9
85°	4.2
87.5°	2.1
90°	0.0

(END OF REPORT)