

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: P365899

Luminaire Tested: **FLD6BX10D010-FEU6B12-8030-F6LBXVM1-WMH-BL86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365899
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-47)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX10D010-FEU6B12-8030-F6LBXVM1-WMH-BL86
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.250", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 927.1 lumens
Efficiency: N/A
Efficacy: 92.7 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

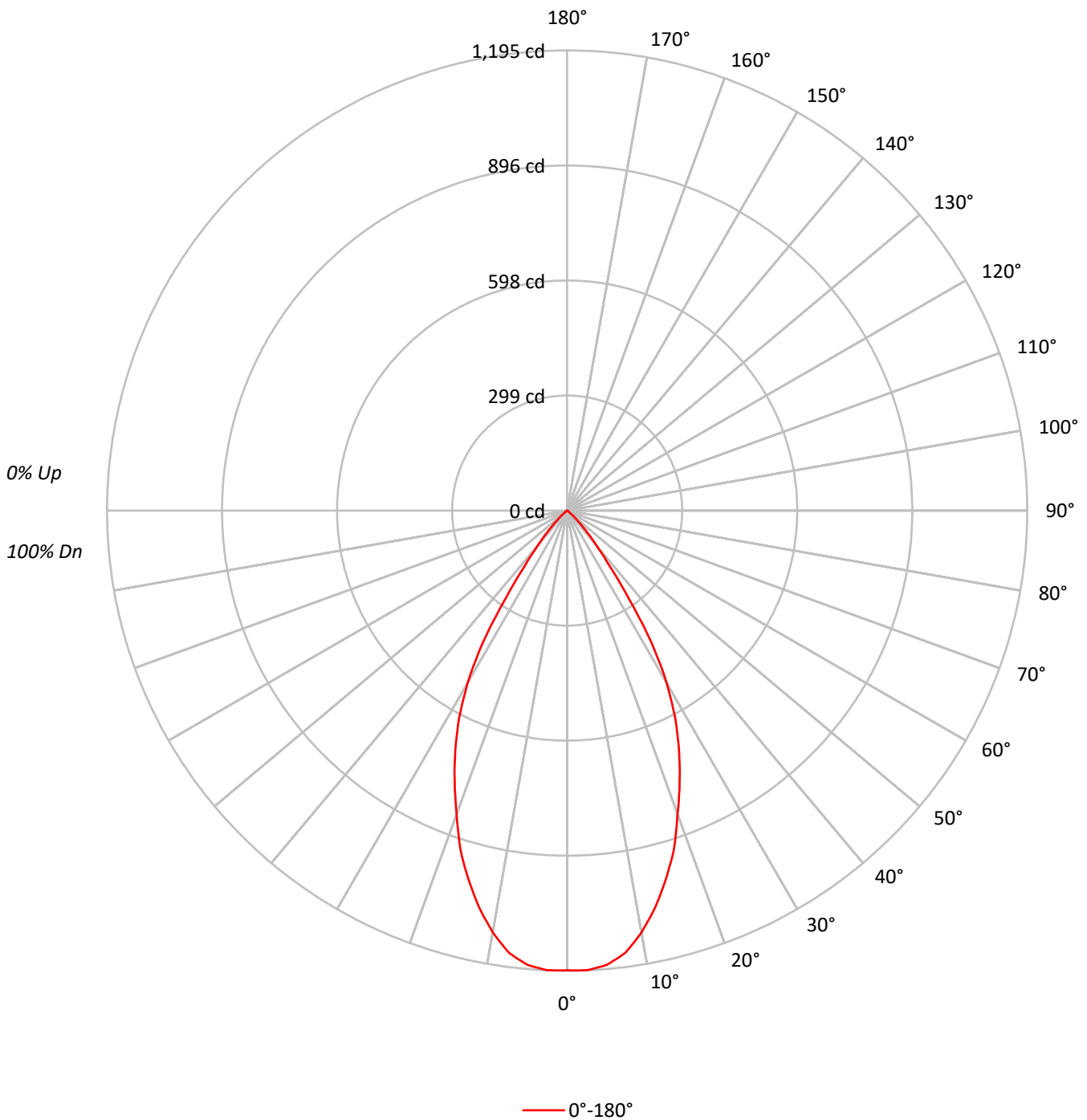
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	108	104	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86	91	88	85	88	86	84	82
4	98	91	86	82	96	90	85	81	88	83	80	86	82	79	84	81	78	77
5	93	85	80	76	92	85	79	75	83	78	75	81	77	74	80	76	73	72
6	89	80	75	71	88	80	74	70	78	73	70	77	73	69	75	72	69	68
7	85	76	70	66	83	75	70	66	74	69	65	73	68	65	72	68	65	63
8	81	72	66	62	80	71	66	62	70	65	62	69	65	61	68	64	61	60
9	77	68	62	58	76	67	62	58	66	62	58	66	61	58	65	61	58	56
10	74	64	59	55	73	64	59	55	63	58	55	62	58	55	62	58	55	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	32612
5°	32473
10°	30849
15°	28022
20°	24382
25°	20730
30°	16307
35°	9303
40°	4186
45°	1762
50°	557
55°	167
60°	115
65°	90
70°	88
75°	116
80°	63
85°	125



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.8	11.9
10°-20°	275.6	29.7
20°-30°	312.3	33.7
30°-40°	181.1	19.5
40°-50°	40.2	4.3
50°-60°	4.4	0.5
60°-70°	1.5	0.2
70°-80°	1.0	0.1
80°-90°	0.3	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°	698.8	75.4
0°-40°	879.8	94.9
0°-60°	924.4	99.7
0°-90°	927.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	927.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1194	
5°	1184	111
15°	991	276
25°	688	312
35°	279	181
45°	46	40
55°	4	4
65°	1	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1193.9
2.5°	1194.9
5°	1184.3
7.5°	1158.5
10°	1112.2
12.5°	1056.0
15°	990.9
17.5°	922.3
20°	838.8
22.5°	763.5
25°	687.8
27.5°	607.2
30°	517.0
32.5°	410.6
35°	279.0
37.5°	179.3
40°	117.4
42.5°	76.7
45°	45.6
47.5°	25.5
50°	13.1
52.5°	6.0
55°	3.5
57.5°	2.8
60°	2.1
62.5°	1.8
65°	1.4
67.5°	1.1
70°	1.1
72.5°	1.1
75°	1.1
77.5°	0.7
80°	0.4
82.5°	0.4
85°	0.4
87.5°	0.0
90°	0.0

(END OF REPORT)