

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: P365955

Luminaire Tested: **FLD6BX10D010-FEU6B12-8050-F6LBXVM1-WMH-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365955
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-48)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX10D010-FEU6B12-8050-F6LBXVM1-WMH-BL89AM
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 423.0 lumens
Efficiency: N/A
Efficacy: 42.3 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.38
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

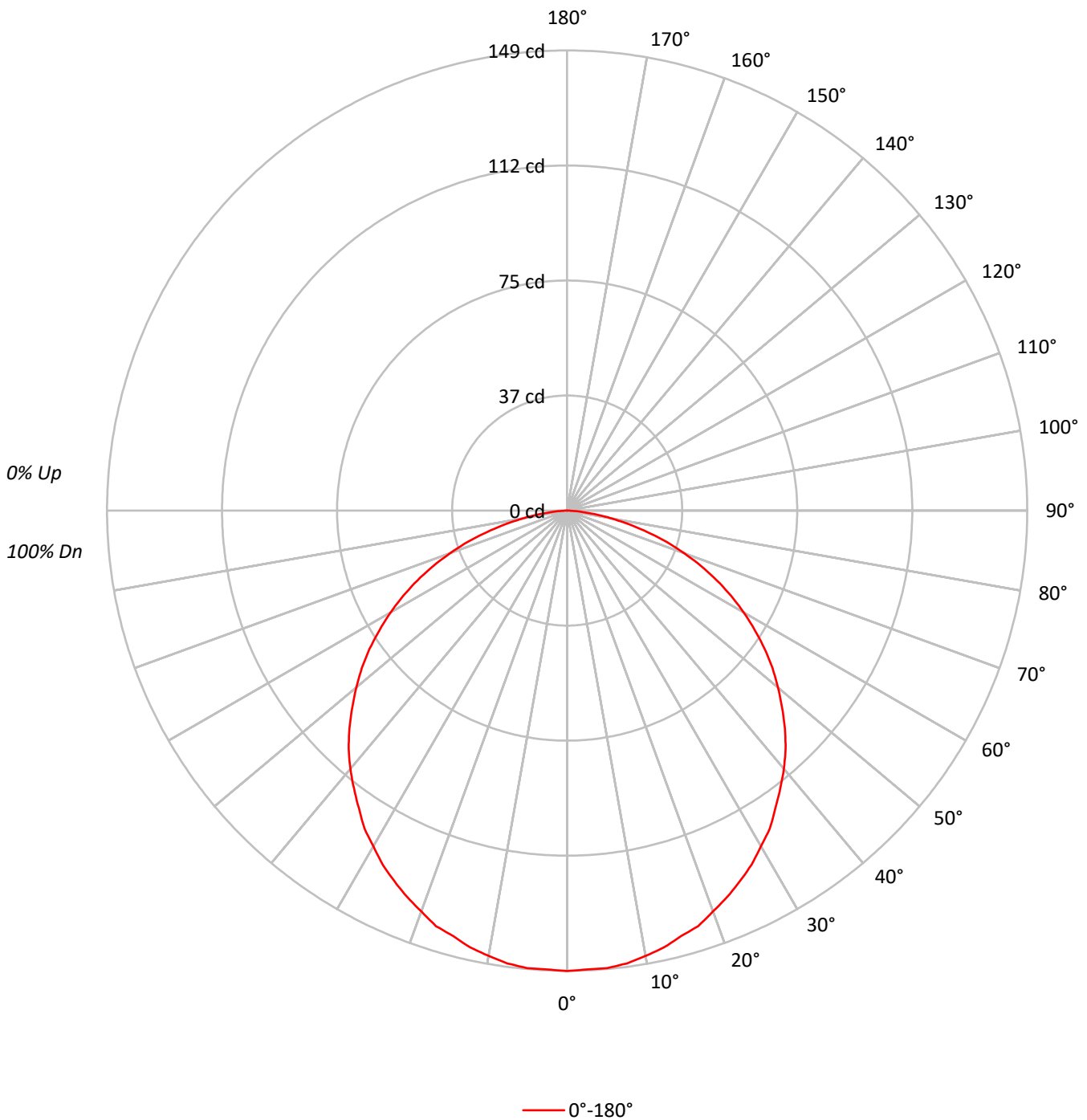
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	104	100	96	106	102	98	95	98	94	92		94	91	89		90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75		82	78	74		79	75	72	70
3	90	80	71	65	88	78	70	64	75	69	63		72	67	62		70	65	61	59
4	83	70	62	55	80	69	61	55	67	59	54		64	58	53		62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46		58	51	46		56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41		52	45	40		51	45	40	38
7	65	51	42	36	63	50	42	36	49	41	36		47	41	36		46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32		44	37	32		42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29		40	33	29		39	33	29	27
10	53	40	32	26	52	39	31	26	38	31	26		37	31	26		36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4073
5°	4077
10°	4061
15°	4033
20°	4014
25°	3990
30°	3958
35°	3921
40°	3894
45°	3851
50°	3786
55°	3719
60°	3606
65°	3458
70°	3211
75°	2839
80°	2265
85°	1316



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.1	3.3
10°-20°	40.3	9.5
20°-30°	61.0	14.4
30°-40°	73.7	17.4
40°-50°	76.8	18.2
50°-60°	69.7	16.5
60°-70°	52.8	12.5
70°-80°	28.6	6.8
80°-90°	5.9	1.4
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°	115.5	27.3
0°-40°	189.2	44.7
0°-60°	335.7	79.4
0°-90°	423.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	423.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	149	
5°	149	14
15°	143	40
25°	132	61
35°	118	74
45°	100	77
55°	78	70
65°	54	53
75°	27	29
85°	4	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	149.1
2.5°	148.7
5°	148.7
7.5°	147.9
10°	146.4
12.5°	144.9
15°	142.6
17.5°	141.1
20°	138.1
22.5°	135.4
25°	132.4
27.5°	129.3
30°	125.5
32.5°	122.1
35°	117.6
37.5°	113.4
40°	109.2
42.5°	104.7
45°	99.7
47.5°	94.4
50°	89.1
52.5°	83.8
55°	78.1
57.5°	72.1
60°	66.0
62.5°	59.9
65°	53.5
67.5°	47.0
70°	40.2
72.5°	33.8
75°	26.9
77.5°	20.5
80°	14.4
82.5°	9.1
85°	4.2
87.5°	1.1
90°	0.0

(END OF REPORT)