

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: P364515

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364515
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-44)
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-LI-BL89AM
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,
BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 436.0 lumens
Efficiency: N/A
Efficacy: 43.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

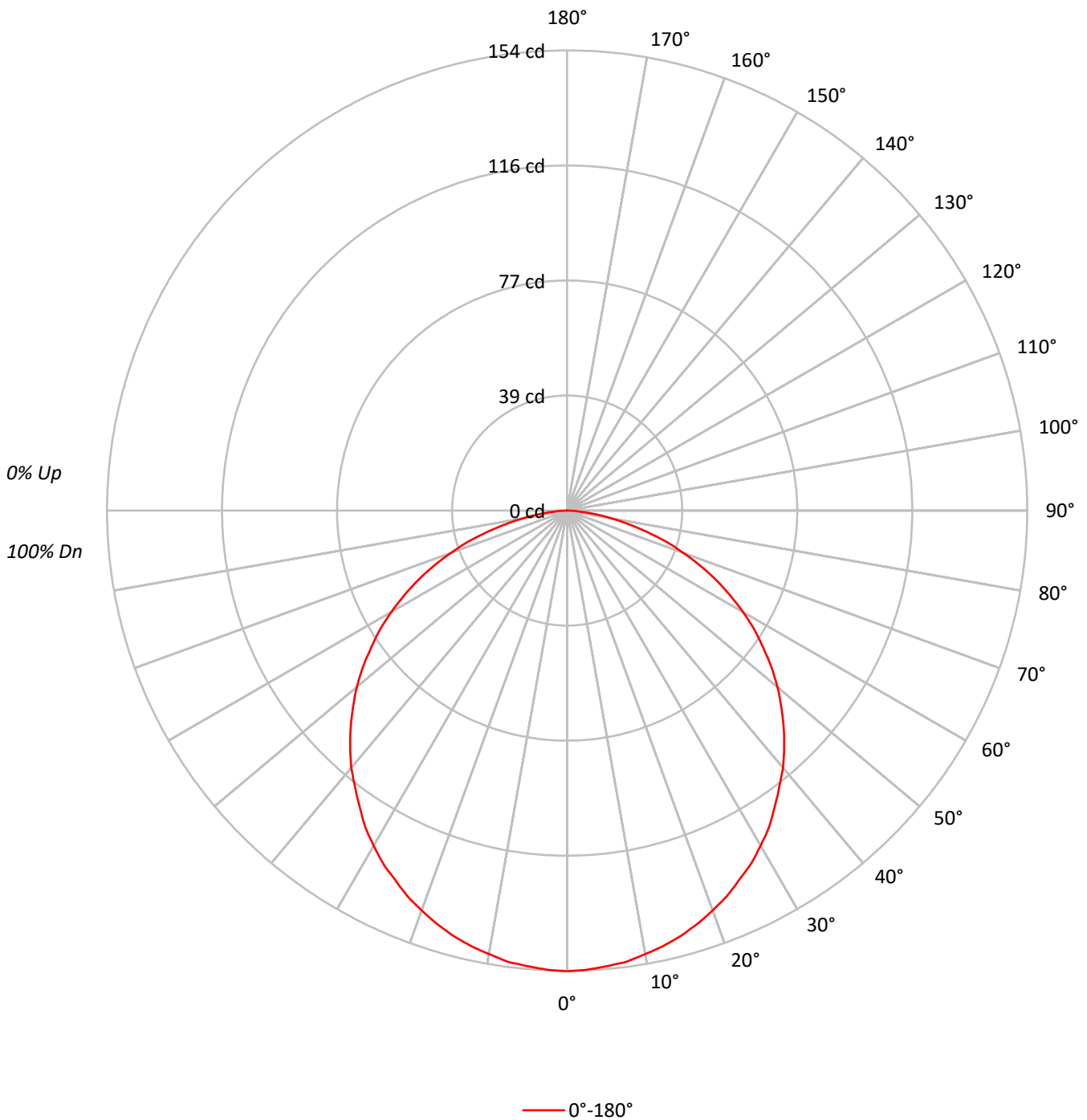
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	94	98	94	91		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	68	63		72	67	62		70	65	61	59
4	82	70	62	55	80	69	61	54	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		43	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°	4212
5°	4195
10°	4180
15°	4165
20°	4139
25°	4108
30°	4085
35°	4038
40°	4008
45°	3960
50°	3905
55°	3815
60°	3715
65°	3561
70°	3306
75°	2923
80°	2391
85°	1536



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.5	3.3
10°-20°	41.6	9.5
20°-30°	62.9	14.4
30°-40°	75.9	17.4
40°-50°	79.0	18.1
50°-60°	71.7	16.4
60°-70°	54.3	12.5
70°-80°	29.6	6.8
80°-90°	6.5	1.5
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°	119.0	27.3
0°-40°	194.9	44.7
0°-60°	345.6	79.3
0°-90°	436.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	436.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	154	
5°	153	15
15°	147	42
25°	136	63
35°	121	76
45°	102	79
55°	80	72
65°	55	54
75°	28	30
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	154.2
2.5°	153.8
5°	153.0
7.5°	152.3
10°	150.7
12.5°	149.2
15°	147.3
17.5°	145.0
20°	142.4
22.5°	139.7
25°	136.3
27.5°	133.3
30°	129.5
32.5°	125.7
35°	121.1
37.5°	116.6
40°	112.4
42.5°	107.5
45°	102.5
47.5°	97.2
50°	91.9
52.5°	86.2
55°	80.1
57.5°	74.4
60°	68.0
62.5°	61.5
65°	55.1
67.5°	48.2
70°	41.4
72.5°	34.9
75°	27.7
77.5°	21.3
80°	15.2
82.5°	9.5
85°	4.9
87.5°	1.9
90°	0.0

(END OF REPORT)