

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: P364497

Luminaire Tested: **FLD6BX10D010-FEU6B12-8040-F6LBXVM1-LI-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364497
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-FEU6B12-8040-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: 425.0 lumens
Efficiency: N/A
Efficacy: 42.5 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

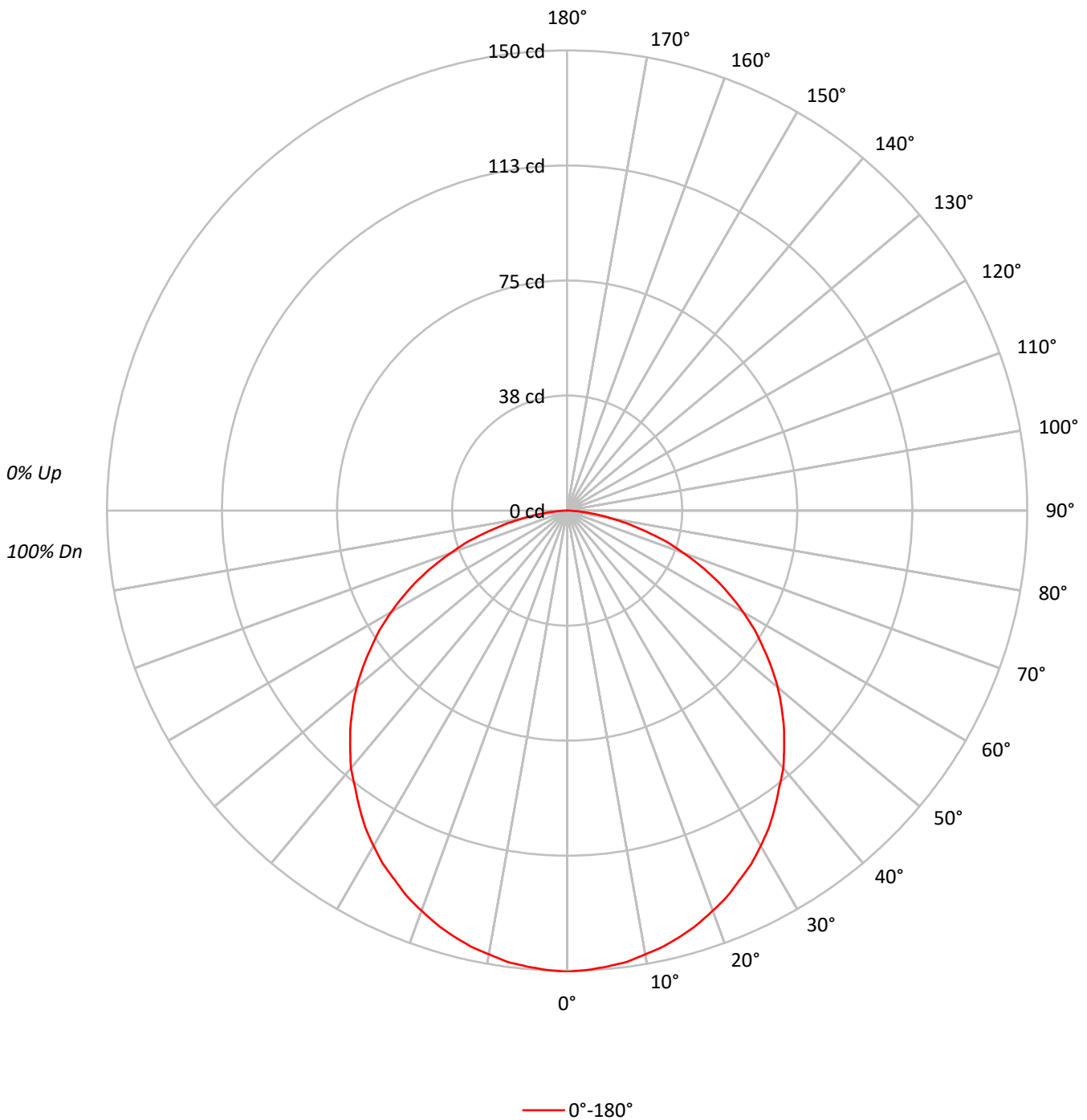
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	4105
5°	4091
10°	4075
15°	4061
20°	4035
25°	4005
30°	3980
35°	3938
40°	3908
45°	3859
50°	3808
55°	3719
60°	3622
65°	3471
70°	3219
75°	2850
80°	2328
85°	1504



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.2	3.3
10°-20°	40.5	9.5
20°-30°	61.3	14.4
30°-40°	73.9	17.4
40°-50°	77.0	18.1
50°-60°	69.9	16.4
60°-70°	52.9	12.5
70°-80°	28.8	6.8
80°-90°	6.4	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°	116.0	27.3
0°-40°	190.0	44.7
0°-60°	336.9	79.3
0°-90°	425.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	425.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	150	
5°	149	14
15°	144	41
25°	133	61
35°	118	74
45°	100	77
55°	78	70
65°	54	53
75°	27	29
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	150.3
2.5°	149.9
5°	149.2
7.5°	148.4
10°	146.9
12.5°	145.5
15°	143.6
17.5°	141.4
20°	138.8
22.5°	136.2
25°	132.9
27.5°	129.9
30°	126.2
32.5°	122.5
35°	118.1
37.5°	113.6
40°	109.6
42.5°	104.7
45°	99.9
47.5°	94.8
50°	89.6
52.5°	84.0
55°	78.1
57.5°	72.5
60°	66.3
62.5°	60.0
65°	53.7
67.5°	47.0
70°	40.3
72.5°	34.1
75°	27.0
77.5°	20.7
80°	14.8
82.5°	9.3
85°	4.8
87.5°	1.9
90°	0.0

(END OF REPORT)