

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: P364875

Luminaire Tested: **FLD6BX40D010-FEU6B35-8050-F6LBXVM1-LI-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364875
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: FLD6BX40D010-FEU6B35-8050-F6LBXVM1-LI-BL89AM
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,
BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1669.0 lumens
Efficiency: N/A
Efficacy: 41.1 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

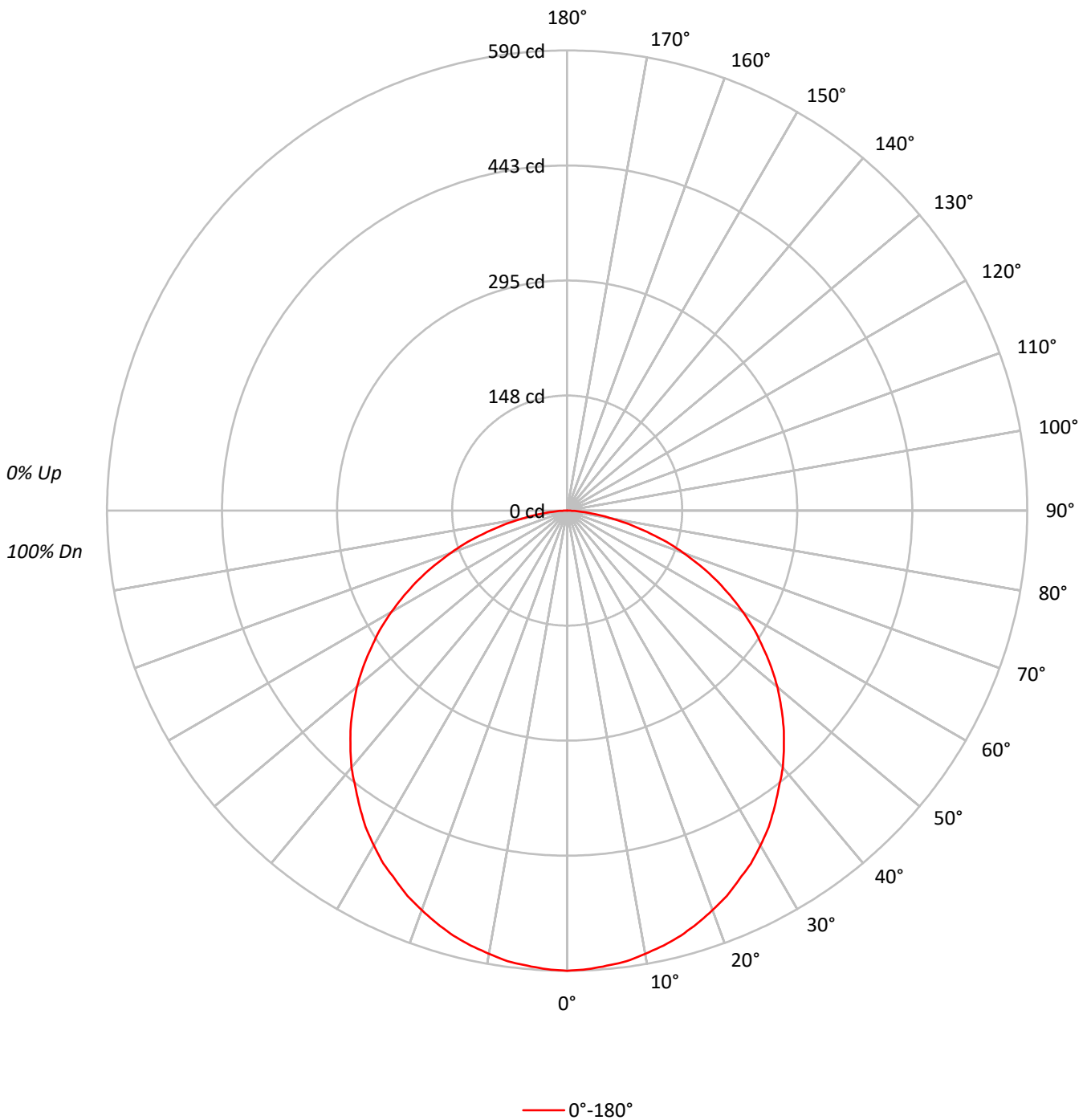
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	16119
5°	16062
10°	16004
15°	15949
20°	15845
25°	15727
30°	15635
35°	15462
40°	15340
45°	15162
50°	14950
55°	14606
60°	14215
65°	13625
70°	12651
75°	11198
80°	9139
85°	5923



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.7	3.3
10°-20°	159.1	9.5
20°-30°	240.9	14.4
30°-40°	290.3	17.4
40°-50°	302.5	18.1
50°-60°	274.6	16.5
60°-70°	207.9	12.5
70°-80°	113.2	6.8
80°-90°	24.9	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°	455.6	27.3
0°-40°	746.0	44.7
0°-60°	1323.1	79.3
0°-90°	1669.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1669.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	590	
5°	586	56
15°	564	159
25°	522	241
35°	464	290
45°	392	303
55°	307	275
65°	211	208
75°	106	113
85°	19	25
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	590.1
2.5°	588.7
5°	585.8
7.5°	582.9
10°	577.0
12.5°	571.2
15°	564.0
17.5°	555.2
20°	545.1
22.5°	534.9
25°	521.8
27.5°	510.2
30°	495.7
32.5°	481.1
35°	463.7
37.5°	446.2
40°	430.2
42.5°	411.3
45°	392.5
47.5°	372.1
50°	351.8
52.5°	330.0
55°	306.7
57.5°	284.9
60°	260.2
62.5°	235.5
65°	210.8
67.5°	184.6
70°	158.4
72.5°	133.7
75°	106.1
77.5°	81.4
80°	58.1
82.5°	36.3
85°	18.9
87.5°	7.3
90°	0.0

(END OF REPORT)