

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: P366387

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-WMH-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366387
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: FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-WMH-BL89AM
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1967.0 lumens
Efficiency: N/A
Efficacy: 35.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

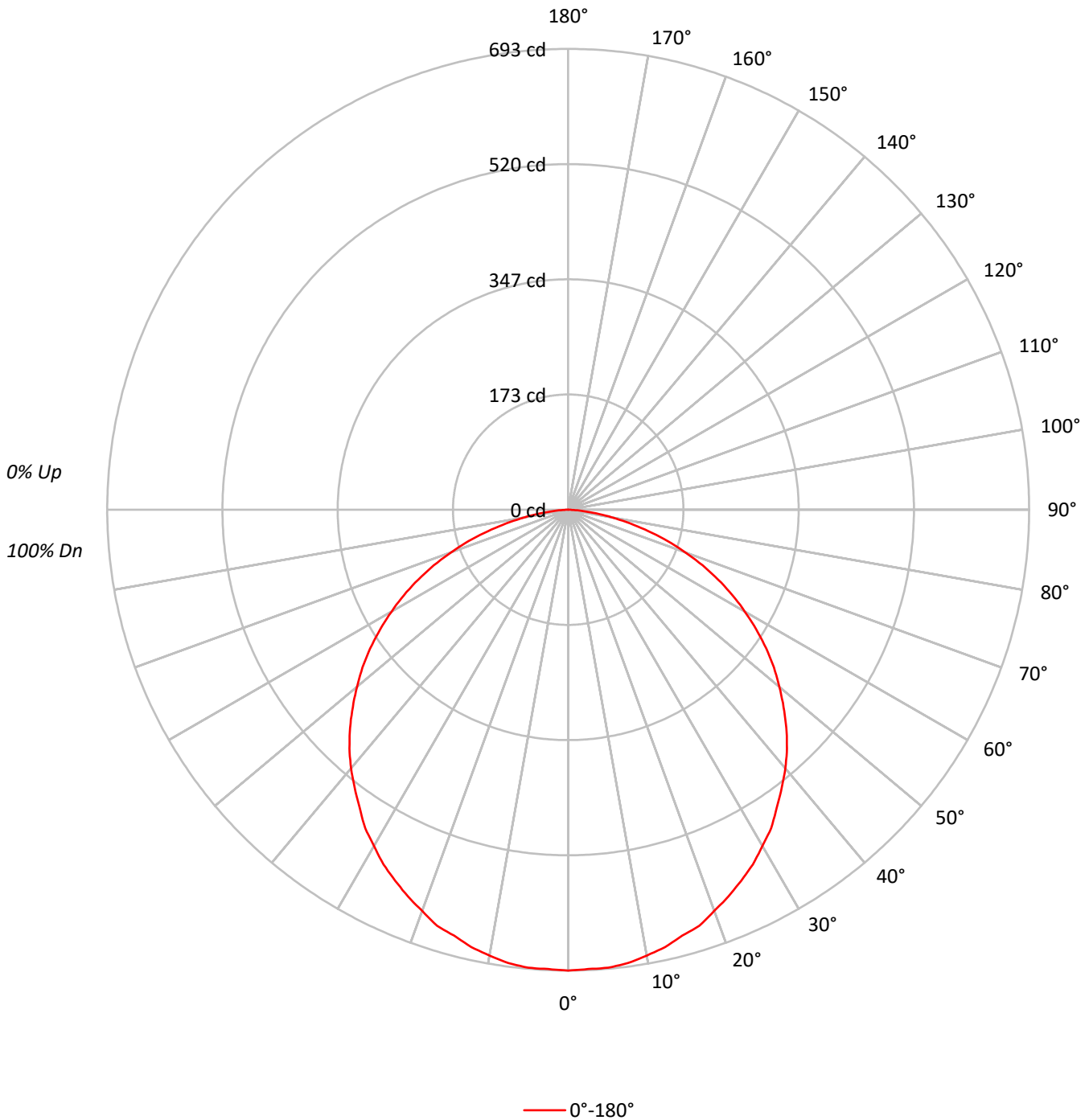
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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		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°	18932
5°	18958
10°	18883
15°	18752
20°	18662
25°	18551
30°	18414
35°	18230
40°	18110
45°	17916
50°	17614
55°	17301
60°	16766
65°	16074
70°	14927
75°	13213
80°	10539
85°	6080



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.7	3.3
10°-20°	187.6	9.5
20°-30°	283.8	14.4
30°-40°	342.6	17.4
40°-50°	357.4	18.2
50°-60°	324.0	16.5
60°-70°	245.7	12.5
70°-80°	132.9	6.8
80°-90°	27.3	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°	537.0	27.3
0°-40°	879.7	44.7
0°-60°	1561.1	79.4
0°-90°	1967.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1967.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	693	
5°	691	66
15°	663	188
25°	616	284
35°	547	343
45°	464	357
55°	363	324
65°	249	246
75°	125	133
85°	19	27
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	693.1
2.5°	691.4
5°	691.4
7.5°	687.8
10°	680.8
12.5°	673.7
15°	663.1
17.5°	656.1
20°	642.0
22.5°	629.6
25°	615.5
27.5°	601.4
30°	583.8
32.5°	567.9
35°	546.7
37.5°	527.3
40°	507.9
42.5°	486.8
45°	463.8
47.5°	439.2
50°	414.5
52.5°	389.8
55°	363.3
57.5°	335.1
60°	306.9
62.5°	278.7
65°	248.7
67.5°	218.7
70°	186.9
72.5°	157.0
75°	125.2
77.5°	95.2
80°	67.0
82.5°	42.3
85°	19.4
87.5°	5.3
90°	0.0

(END OF REPORT)