

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: P366405

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-WMH-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366405
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-FEU6B35-8050-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: 2015.1 lumens
Efficiency: N/A
Efficacy: 36.6 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

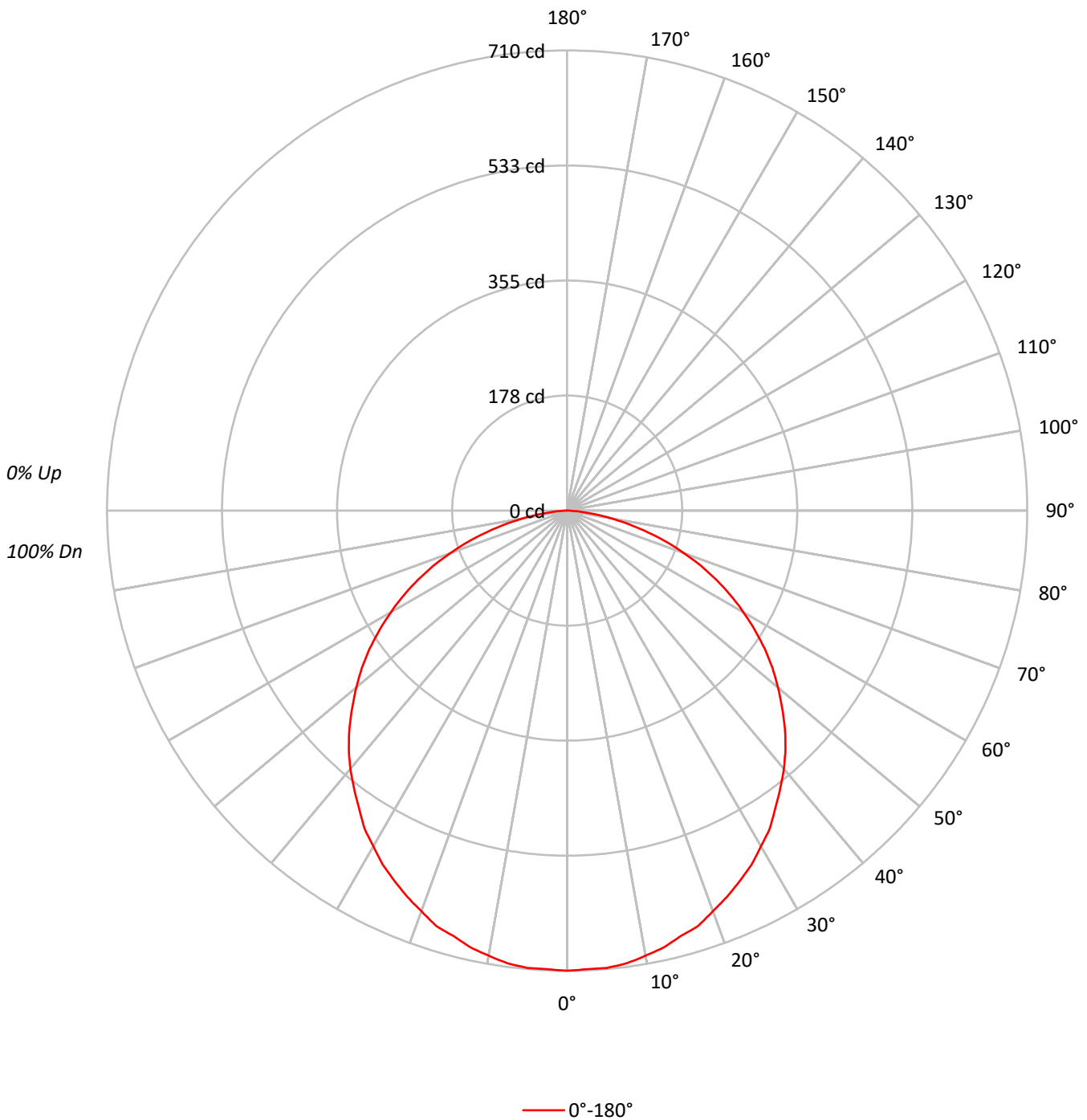
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	19394
5°	19419
10°	19344
15°	19210
20°	19115
25°	19003
30°	18861
35°	18677
40°	18553
45°	18357
50°	18043
55°	17725
60°	17176
65°	16462
70°	15294
75°	13541
80°	10807
85°	6237



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.3	3.3
10°-20°	192.1	9.5
20°-30°	290.7	14.4
30°-40°	351.0	17.4
40°-50°	366.1	18.2
50°-60°	332.0	16.5
60°-70°	251.6	12.5
70°-80°	136.2	6.8
80°-90°	28.0	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°	550.1	27.3
0°-40°	901.1	44.7
0°-60°	1599.2	79.4
0°-90°	2015.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2015.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	710	
5°	708	67
15°	679	192
25°	630	291
35°	560	351
45°	475	366
55°	372	332
65°	255	252
75°	128	136
85°	20	28
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	710.0
2.5°	708.2
5°	708.2
7.5°	704.6
10°	697.4
12.5°	690.2
15°	679.3
17.5°	672.1
20°	657.6
22.5°	645.0
25°	630.5
27.5°	616.1
30°	598.0
32.5°	581.8
35°	560.1
37.5°	540.2
40°	520.3
42.5°	498.7
45°	475.2
47.5°	449.9
50°	424.6
52.5°	399.3
55°	372.2
57.5°	343.3
60°	314.4
62.5°	285.5
65°	254.7
67.5°	224.0
70°	191.5
72.5°	160.8
75°	128.3
77.5°	97.6
80°	68.7
82.5°	43.4
85°	19.9
87.5°	5.4
90°	0.0

(END OF REPORT)