

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: P366408

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-WMH-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366408
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-29)
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-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4092.0 lumens
Efficiency: N/A
Efficacy: 74.3 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

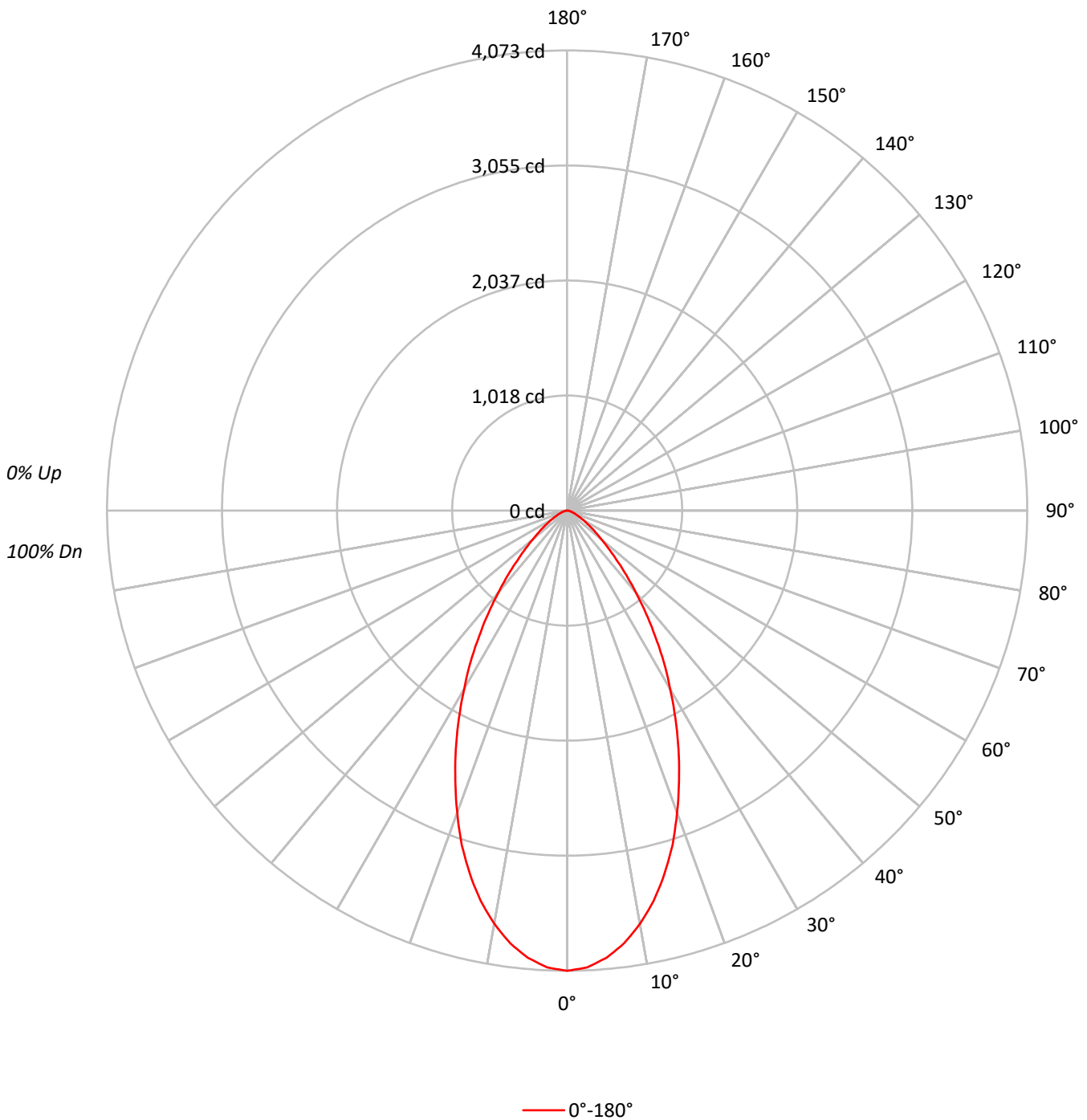
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83
3	100	92	86	82	97	91	85	81	88	84	80	85	82	79	83	80	77	76
4	94	85	79	74	92	84	78	73	82	77	72	79	75	72	78	74	71	69
5	88	79	72	67	86	78	71	67	76	70	66	74	69	66	72	68	65	63
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	63	60	58
7	79	68	61	57	77	67	61	57	66	60	56	65	60	56	64	59	56	54
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	50
9	70	60	53	49	69	59	53	49	58	53	49	57	52	48	56	52	48	47
10	67	56	50	46	66	56	50	46	55	49	45	54	49	45	53	49	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	291642
5°	285618
10°	270017
15°	246786
20°	216811
25°	184285
30°	150765
35°	118676
40°	88422
45°	62711
50°	44245
55°	31783
60°	22755
65°	16519
70°	12854
75°	10485
80°	8948
85°	8873



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	371.1	9.1
10°-20°	926.4	22.6
20°-30°	1065.6	26.0
30°-40°	850.3	20.8
40°-50°	490.2	12.0
50°-60°	233.7	5.7
60°-70°	101.1	2.5
70°-80°	41.4	1.0
80°-90°	12.3	0.3
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°	2363.1	57.7
0°-40°	3213.4	78.5
0°-60°	3937.3	96.2
0°-90°	4092.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4092.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4073	
5°	3974	371
15°	3329	926
25°	2333	1066
35°	1358	850
45°	619	490
55°	255	234
65°	98	101
75°	38	41
85°	11	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4073.1
2.5°	4047.8
5°	3973.8
7.5°	3863.6
10°	3713.8
12.5°	3538.7
15°	3329.2
17.5°	3101.7
20°	2845.4
22.5°	2587.2
25°	2332.6
27.5°	2074.4
30°	1823.5
32.5°	1594.2
35°	1357.7
37.5°	1146.5
40°	946.0
42.5°	774.5
45°	619.3
47.5°	496.5
50°	397.2
52.5°	317.8
55°	254.6
57.5°	200.4
60°	158.9
62.5°	124.6
65°	97.5
67.5°	77.6
70°	61.4
72.5°	48.7
75°	37.9
77.5°	28.9
80°	21.7
82.5°	16.2
85°	10.8
87.5°	7.2
90°	0.0

(END OF REPORT)