

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: P366381

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8035-F6LBXVM1-WMH-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366381
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-33)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX50D010TE-FEU6B35-8035-F6LBXVM1-WMH-BTR94
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3949.0 lumens
Efficiency: N/A
Efficacy: 71.7 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.8
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

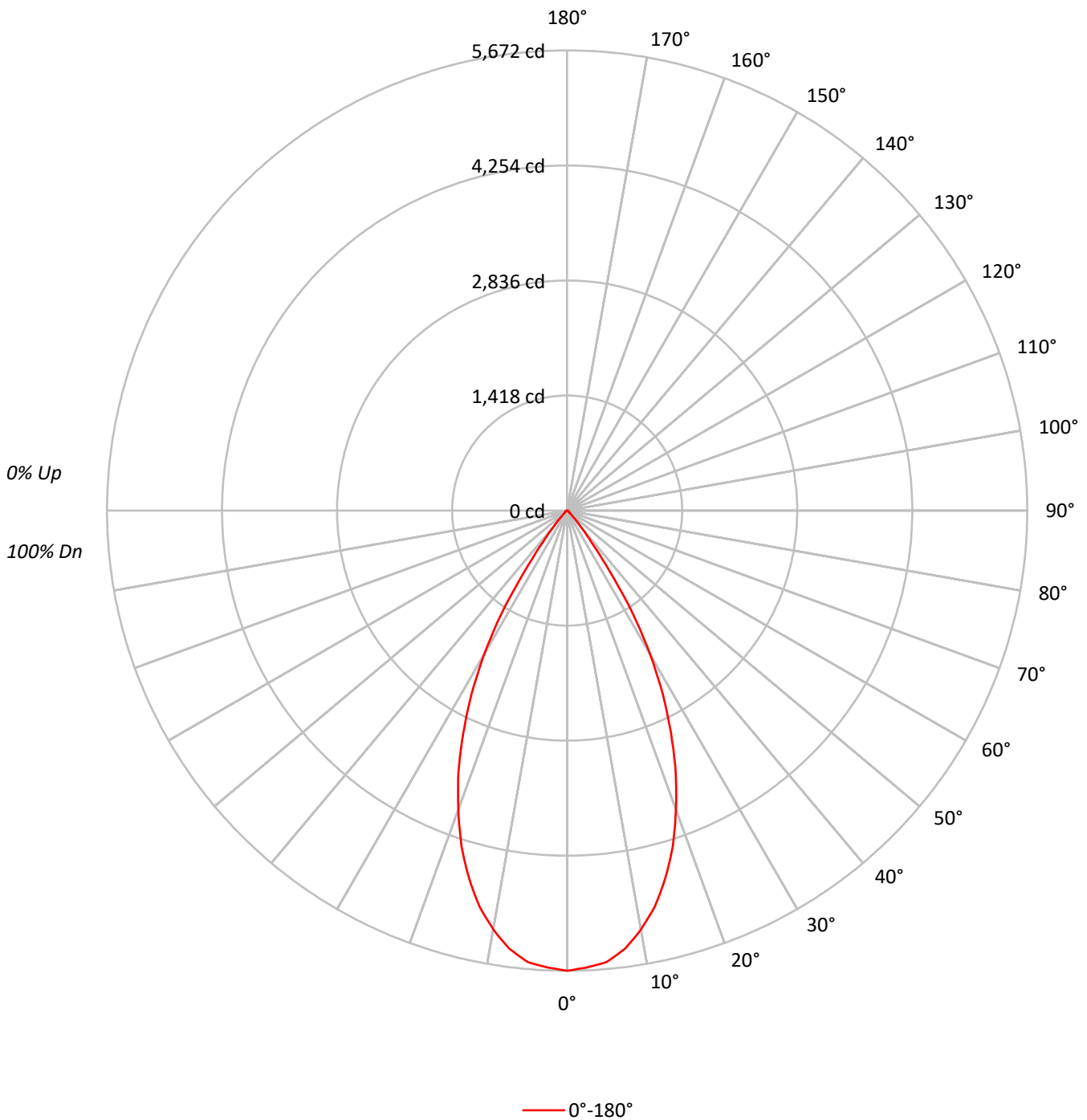
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	88
3	104	98	93	89	102	96	92	88	94	90	87	91	88	86	89	87	84	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79	78
5	94	87	81	77	93	86	81	77	84	80	76	82	78	75	81	77	75	73
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	73	71	69
7	86	78	72	68	85	77	72	68	76	71	67	74	70	67	73	70	67	65
8	82	74	68	64	81	73	68	64	72	67	64	71	67	63	70	66	63	62
9	79	70	64	61	78	69	64	61	68	64	60	68	63	60	67	63	60	59
10	76	66	61	57	75	66	61	57	65	61	57	65	60	57	64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	406111
5°	401517
10°	381178
15°	347133
20°	298746
25°	239342
30°	168855
35°	78205
40°	25433
45°	8121
50°	3888
55°	3483
60°	3251
65°	2948
70°	2931
75°	3873
80°	4330
85°	7147



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	522.0	13.2
10°-20°	1298.7	32.9
20°-30°	1370.6	34.7
30°-40°	613.3	15.5
40°-50°	80.3	2.0
50°-60°	24.7	0.6
60°-70°	17.5	0.4
70°-80°	13.9	0.4
80°-90°	8.1	0.2
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°	3191.3	80.8
0°-40°	3804.6	96.3
0°-60°	3909.6	99.0
0°-90°	3949.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3949.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5672	
5°	5586	522
15°	4683	1299
25°	3030	1371
35°	895	613
45°	80	80
55°	28	25
65°	17	17
75°	14	14
85°	9	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5671.8
2.5°	5635.2
5°	5586.3
7.5°	5448.5
10°	5242.7
12.5°	4996.8
15°	4682.9
17.5°	4334.1
20°	3920.7
22.5°	3500.4
25°	3029.5
27.5°	2553.3
30°	2042.3
32.5°	1513.9
35°	894.7
37.5°	486.6
40°	272.1
42.5°	151.7
45°	80.2
47.5°	41.9
50°	34.9
52.5°	29.6
55°	27.9
57.5°	24.4
60°	22.7
62.5°	19.2
65°	17.4
67.5°	15.7
70°	14.0
72.5°	14.0
75°	14.0
77.5°	12.2
80°	10.5
82.5°	10.5
85°	8.7
87.5°	5.2
90°	0.0

(END OF REPORT)