

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: P366361

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-WMH-BTR89BI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366361
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-28)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-WMH-BTR89BI
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3677.0 lumens
Efficiency: N/A
Efficacy: 66.7 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

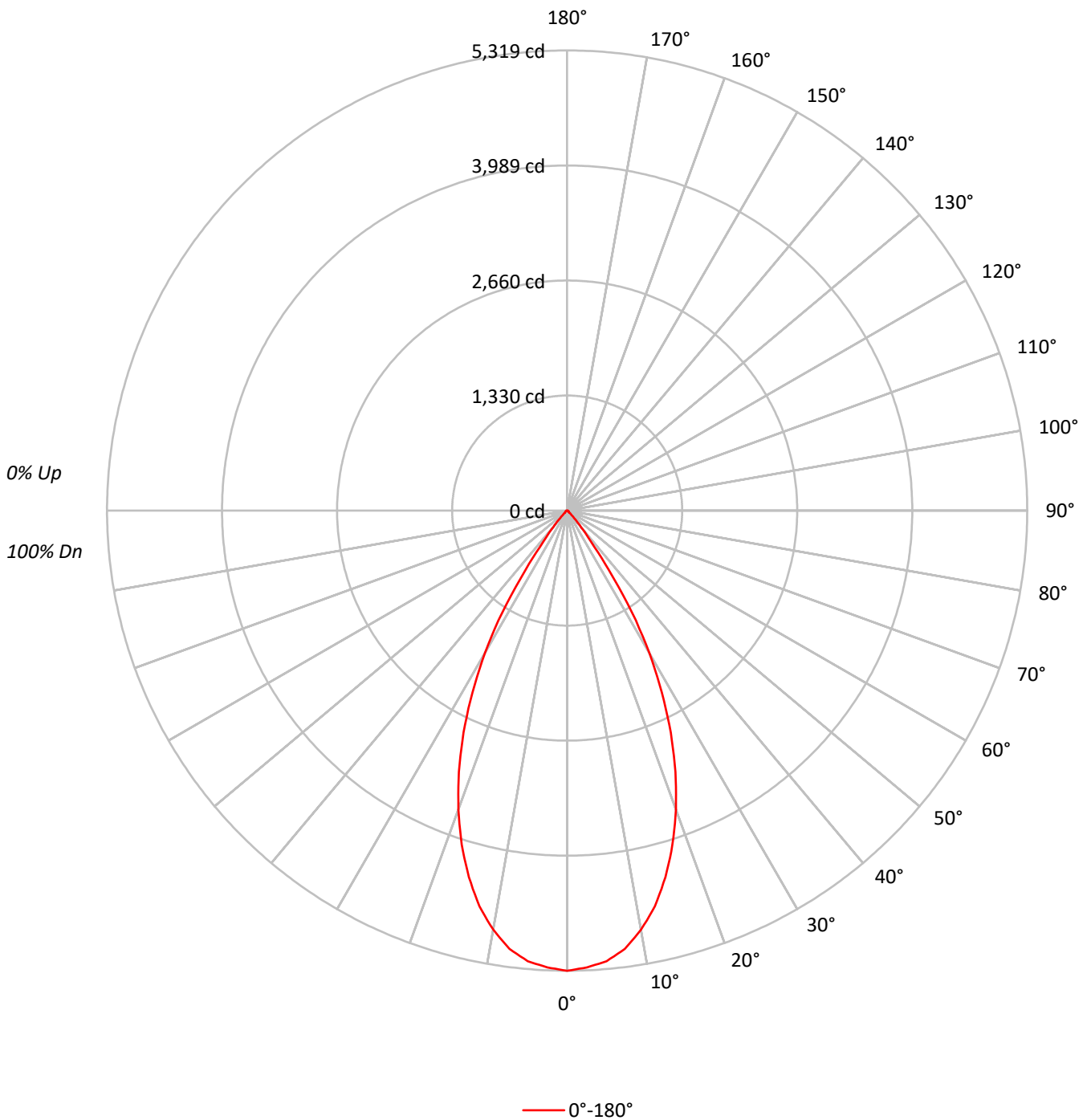
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	89	94	90	87	91	88	86	89	87	85	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	80	78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	74	71	69
7	86	78	72	68	85	77	72	68	76	71	68	75	70	67	74	70	67	66
8	82	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	380879
5°	375736
10°	357657
15°	325131
20°	279979
25°	223810
30°	156932
35°	73005
40°	23068
45°	7210
50°	3175
55°	2959
60°	2721
65°	2406
70°	2659
75°	3071
80°	3917
85°	6490



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	489.3	13.3
10°-20°	1216.2	33.1
20°-30°	1278.6	34.8
30°-40°	567.3	15.4
40°-50°	71.0	1.9
50°-60°	21.2	0.6
60°-70°	14.9	0.4
70°-80°	11.7	0.3
80°-90°	6.9	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°	2984.1	81.2
0°-40°	3551.4	96.6
0°-60°	3643.6	99.1
0°-90°	3677.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3677.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5319	
5°	5228	489
15°	4386	1216
25°	2833	1279
35°	835	567
45°	71	71
55°	24	21
65°	14	15
75°	11	12
85°	8	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5319.4
2.5°	5284.6
5°	5227.6
7.5°	5110.6
10°	4919.2
12.5°	4685.1
15°	4386.1
17.5°	4049.2
20°	3674.4
22.5°	3267.9
25°	2832.9
27.5°	2371.0
30°	1898.1
32.5°	1396.7
35°	835.2
37.5°	444.5
40°	246.8
42.5°	134.4
45°	71.2
47.5°	34.8
50°	28.5
52.5°	25.3
55°	23.7
57.5°	22.1
60°	19.0
62.5°	17.4
65°	14.2
67.5°	12.7
70°	12.7
72.5°	11.1
75°	11.1
77.5°	11.1
80°	9.5
82.5°	7.9
85°	7.9
87.5°	4.7
90°	0.0

(END OF REPORT)