

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: P366505

Luminaire Tested: **FLD6BX60D010TE-FEUG6B67-8050-F6LBXVM1-WMH-BTR89BI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366505
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: FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-WMH-BTR89BI
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4535.1 lumens
Efficiency: N/A
Efficacy: 78.1 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

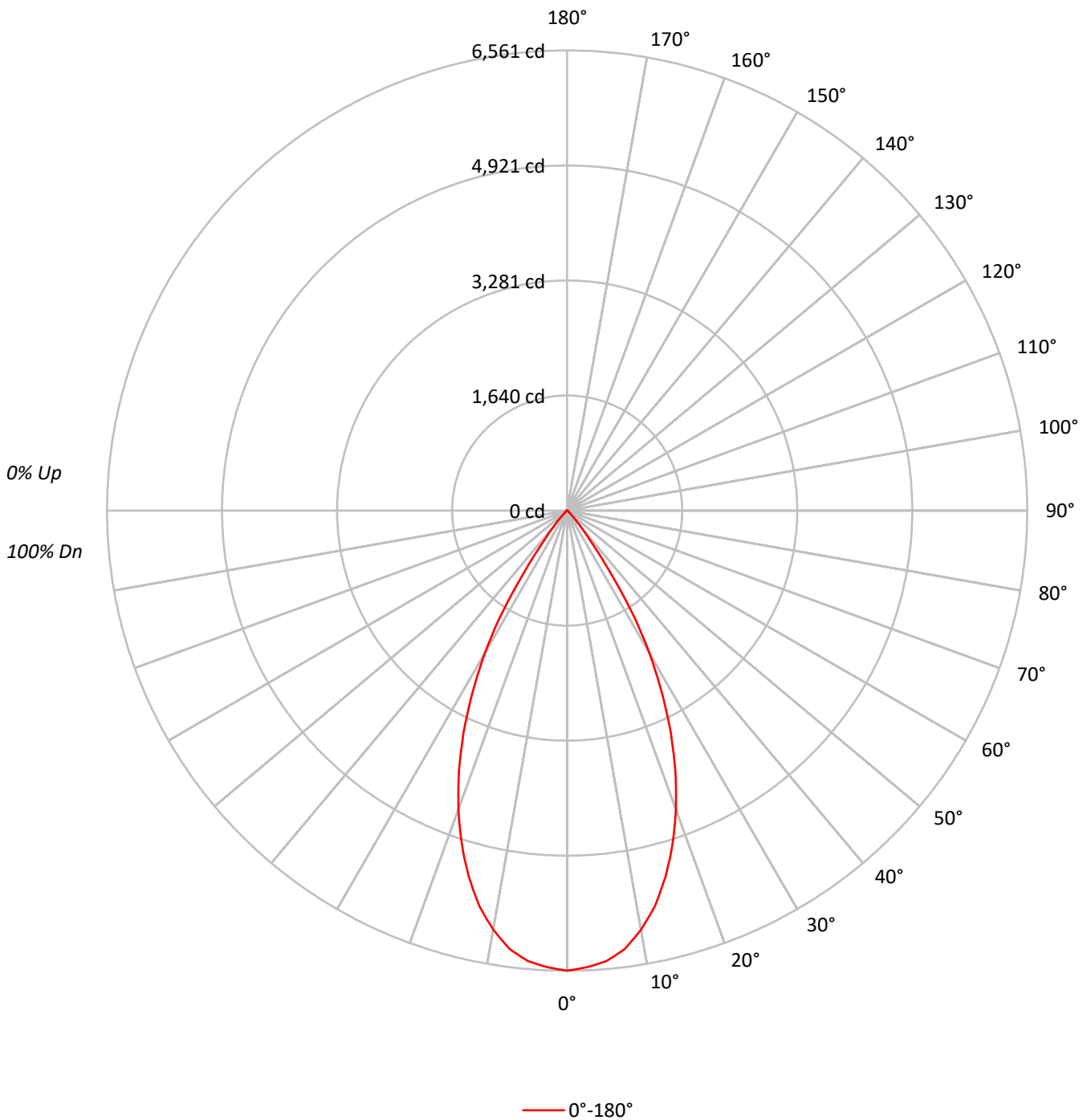
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	469751
5°	463416
10°	441110
15°	401001
20°	345310
25°	276032
30°	193551
35°	90032
40°	28443
45°	8891
50°	3910
55°	3658
60°	3351
65°	2982
70°	3266
75°	3790
80°	4824
85°	8051



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	603.5	13.3
10°-20°	1500.0	33.1
20°-30°	1576.9	34.8
30°-40°	699.6	15.4
40°-50°	87.5	1.9
50°-60°	26.2	0.6
60°-70°	18.4	0.4
70°-80°	14.5	0.3
80°-90°	8.5	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°	3680.4	81.2
0°-40°	4380.1	96.6
0°-60°	4493.7	99.1
0°-90°	4535.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4535.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6561	
5°	6448	604
15°	5410	1500
25°	3494	1577
35°	1030	700
45°	88	88
55°	29	26
65°	18	18
75°	14	14
85°	10	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6560.6
2.5°	6517.7
5°	6447.5
7.5°	6303.1
10°	6067.0
12.5°	5778.3
15°	5409.6
17.5°	4994.1
20°	4531.8
22.5°	4030.4
25°	3493.9
27.5°	2924.3
30°	2341.0
32.5°	1722.6
35°	1030.0
37.5°	548.2
40°	304.3
42.5°	165.8
45°	87.8
47.5°	42.9
50°	35.1
52.5°	31.2
55°	29.3
57.5°	27.3
60°	23.4
62.5°	21.5
65°	17.6
67.5°	15.6
70°	15.6
72.5°	13.7
75°	13.7
77.5°	13.7
80°	11.7
82.5°	9.8
85°	9.8
87.5°	5.9
90°	0.0

(END OF REPORT)