

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: P366485

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-WMH-BTR86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366485
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-30)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-WMH-BTR86
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4411.0 lumens
Efficiency: N/A
Efficacy: 75.9 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

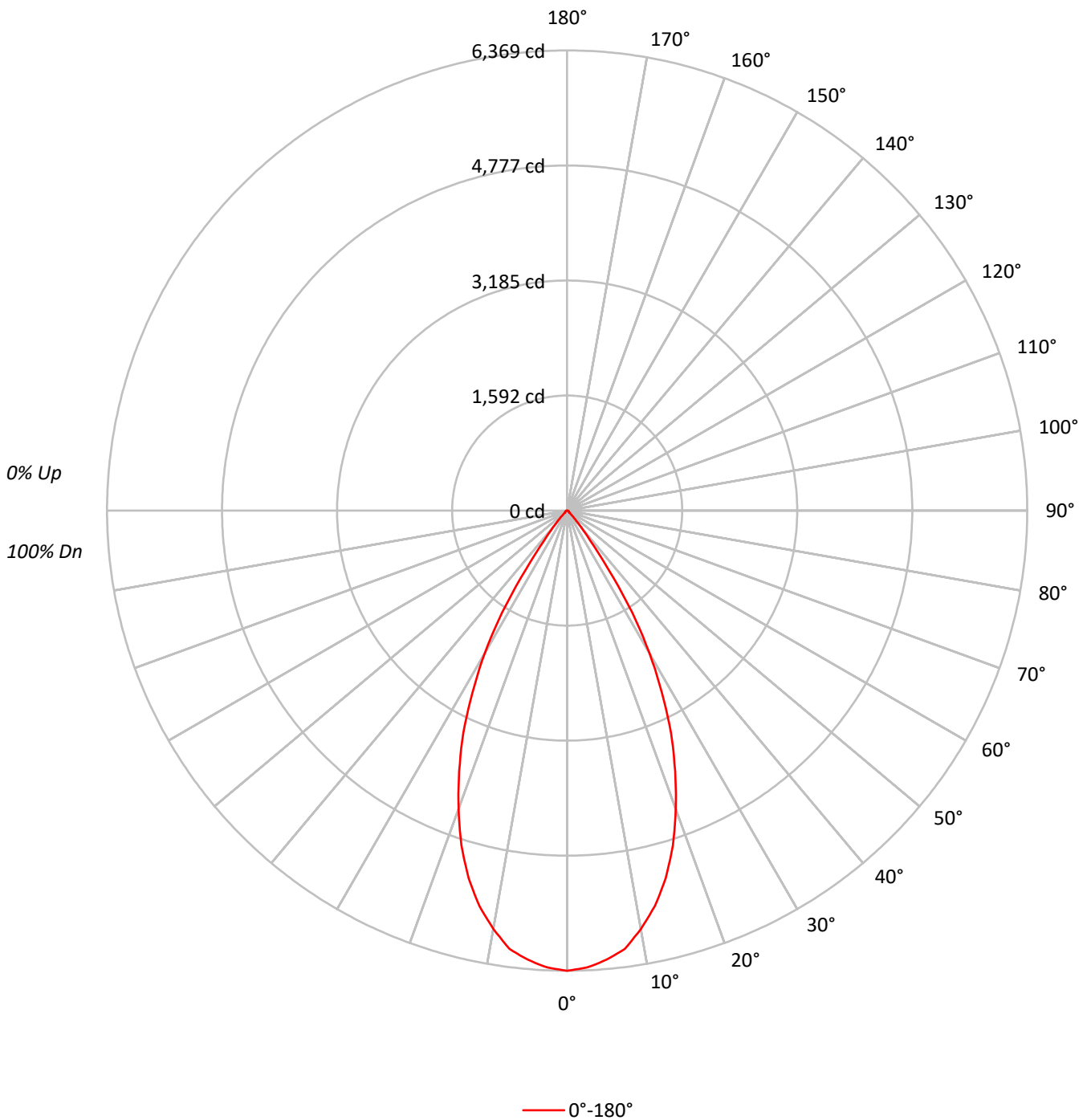
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	84	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		73	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	64	61	78	69	64	61	69	64	60		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°	456054
5°	448545
10°	427383
15°	390534
20°	334909
25°	268724
30°	188408
35°	87051
40°	27947
45°	9022
50°	4188
55°	3708
60°	3680
65°	3355
70°	3308
75°	3845
80°	4907
85°	8133



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	585.3	13.3
10°-20°	1457.9	33.1
20°-30°	1531.1	34.7
30°-40°	679.4	15.4
40°-50°	87.8	2.0
50°-60°	27.4	0.6
60°-70°	19.3	0.4
70°-80°	14.1	0.3
80°-90°	8.6	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°	3574.3	81.0
0°-40°	4253.7	96.4
0°-60°	4368.9	99.0
0°-90°	4411.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4411.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6369	
5°	6241	585
15°	5268	1458
25°	3401	1531
35°	996	679
45°	89	88
55°	30	27
65°	20	19
75°	14	14
85°	10	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6369.3
2.5°	6329.7
5°	6240.6
7.5°	6119.8
10°	5878.2
12.5°	5607.0
15°	5268.4
17.5°	4862.6
20°	4395.3
22.5°	3904.3
25°	3401.4
27.5°	2837.2
30°	2278.8
32.5°	1675.0
35°	995.9
37.5°	530.6
40°	299.0
42.5°	164.3
45°	89.1
47.5°	45.5
50°	37.6
52.5°	33.7
55°	29.7
57.5°	27.7
60°	25.7
62.5°	21.8
65°	19.8
67.5°	15.8
70°	15.8
72.5°	13.9
75°	13.9
77.5°	11.9
80°	11.9
82.5°	9.9
85°	9.9
87.5°	5.9
90°	0.0

(END OF REPORT)