

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: P366429

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-WMH-BTR84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366429
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-FEU6B67-8027-F6LBXVM1-WMH-BTR84
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.125", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4256.1 lumens
Efficiency: N/A
Efficacy: 73.3 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

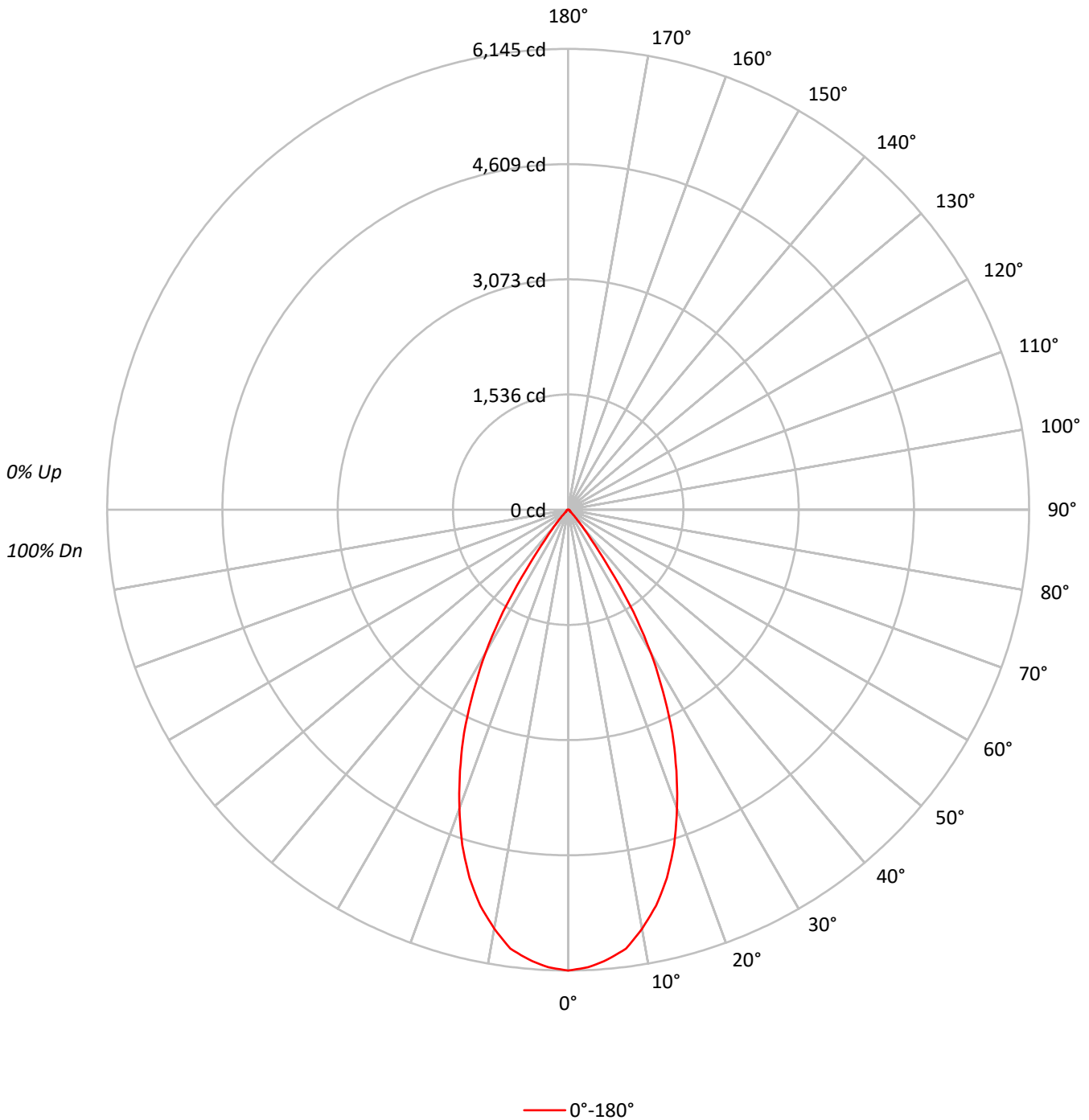
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	440022
5°	432783
10°	412369
15°	376813
20°	323144
25°	259283
30°	181794
35°	83992
40°	26966
45°	8708
50°	4044
55°	3583
60°	3551
65°	3236
70°	3203
75°	3707
80°	4742
85°	7887



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	564.7	13.3
10°-20°	1406.7	33.1
20°-30°	1477.3	34.7
30°-40°	655.6	15.4
40°-50°	84.7	2.0
50°-60°	26.5	0.6
60°-70°	18.7	0.4
70°-80°	13.7	0.3
80°-90°	8.3	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°	3448.7	81.0
0°-40°	4104.2	96.4
0°-60°	4215.4	99.0
0°-90°	4256.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4256.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6145	
5°	6021	565
15°	5083	1407
25°	3282	1477
35°	961	656
45°	86	85
55°	29	26
65°	19	19
75°	13	14
85°	10	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6145.4
2.5°	6107.2
5°	6021.3
7.5°	5904.7
10°	5671.7
12.5°	5410.0
15°	5083.3
17.5°	4691.7
20°	4240.9
22.5°	3767.1
25°	3281.9
27.5°	2737.5
30°	2198.8
32.5°	1616.1
35°	960.9
37.5°	512.0
40°	288.5
42.5°	158.6
45°	86.0
47.5°	43.9
50°	36.3
52.5°	32.5
55°	28.7
57.5°	26.7
60°	24.8
62.5°	21.0
65°	19.1
67.5°	15.3
70°	15.3
72.5°	13.4
75°	13.4
77.5°	11.5
80°	11.5
82.5°	9.6
85°	9.6
87.5°	5.7
90°	0.0

(END OF REPORT)