

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: P366448

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-WMH-BTR85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366448
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-FEU6B67-8030-F6LBXVM1-WMH-BTR85
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4416.0 lumens
Efficiency: N/A
Efficacy: 76.0 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

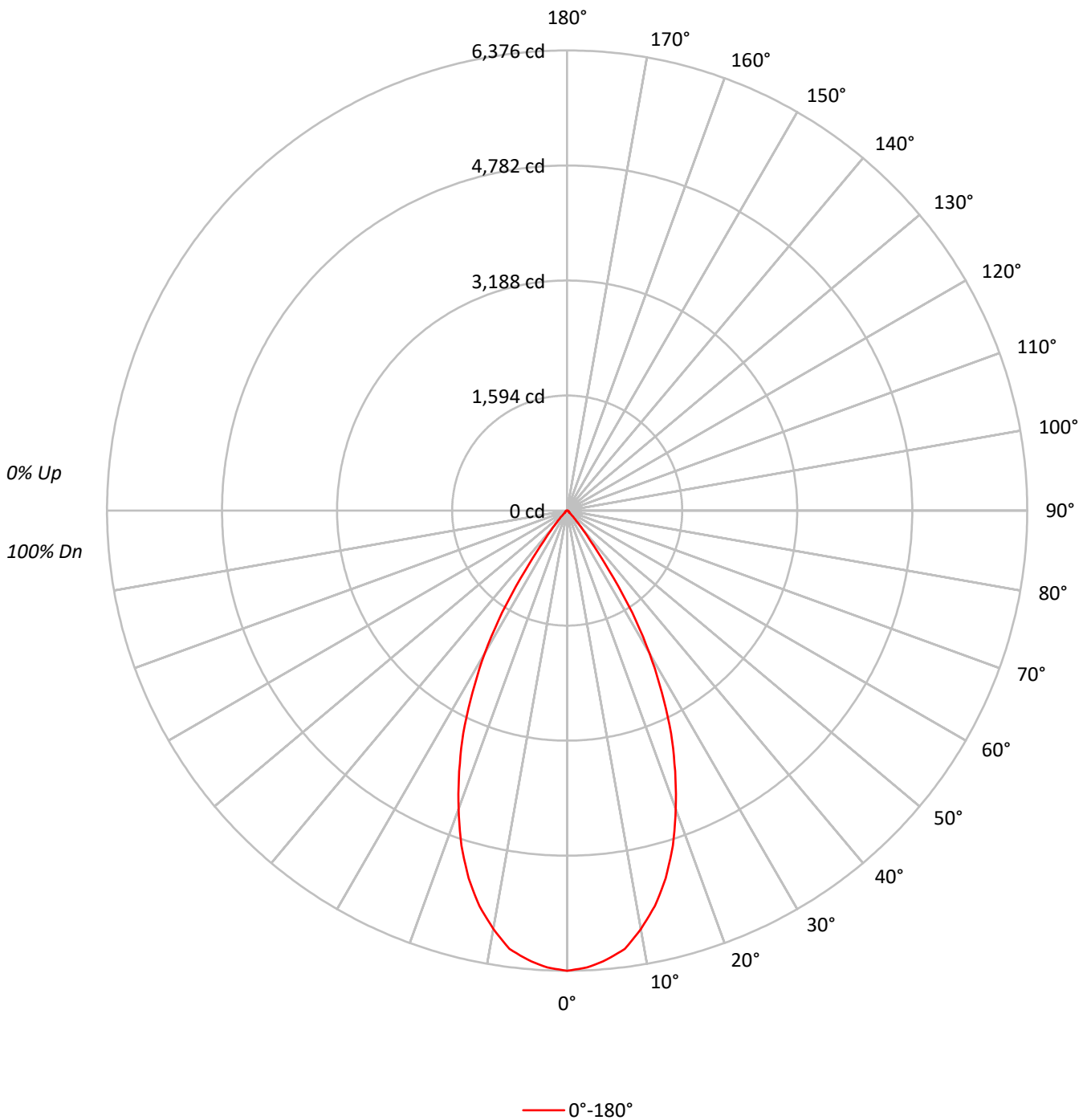
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	456569
5°	449049
10°	427870
15°	390979
20°	335290
25°	269032
30°	188623
35°	87147
40°	27975
45°	9032
50°	4200
55°	3708
60°	3695
65°	3355
70°	3329
75°	3845
80°	4907
85°	8133



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	585.9	13.3
10°-20°	1459.6	33.1
20°-30°	1532.8	34.7
30°-40°	680.2	15.4
40°-50°	87.9	2.0
50°-60°	27.5	0.6
60°-70°	19.4	0.4
70°-80°	14.2	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°	3578.3	81.0
0°-40°	4258.5	96.4
0°-60°	4373.9	99.0
0°-90°	4416.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4416.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6376	
5°	6248	586
15°	5274	1460
25°	3405	1533
35°	997	680
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°	6376.5
2.5°	6336.8
5°	6247.6
7.5°	6126.7
10°	5884.9
12.5°	5613.4
15°	5274.4
17.5°	4868.1
20°	4400.3
22.5°	3908.7
25°	3405.3
27.5°	2840.4
30°	2281.4
32.5°	1676.9
35°	997.0
37.5°	531.2
40°	299.3
42.5°	164.5
45°	89.2
47.5°	45.6
50°	37.7
52.5°	33.7
55°	29.7
57.5°	27.7
60°	25.8
62.5°	21.8
65°	19.8
67.5°	15.9
70°	15.9
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)