

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: P366444

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-WMH-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366444
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-29)
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-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4526.0 lumens
Efficiency: N/A
Efficacy: 77.9 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

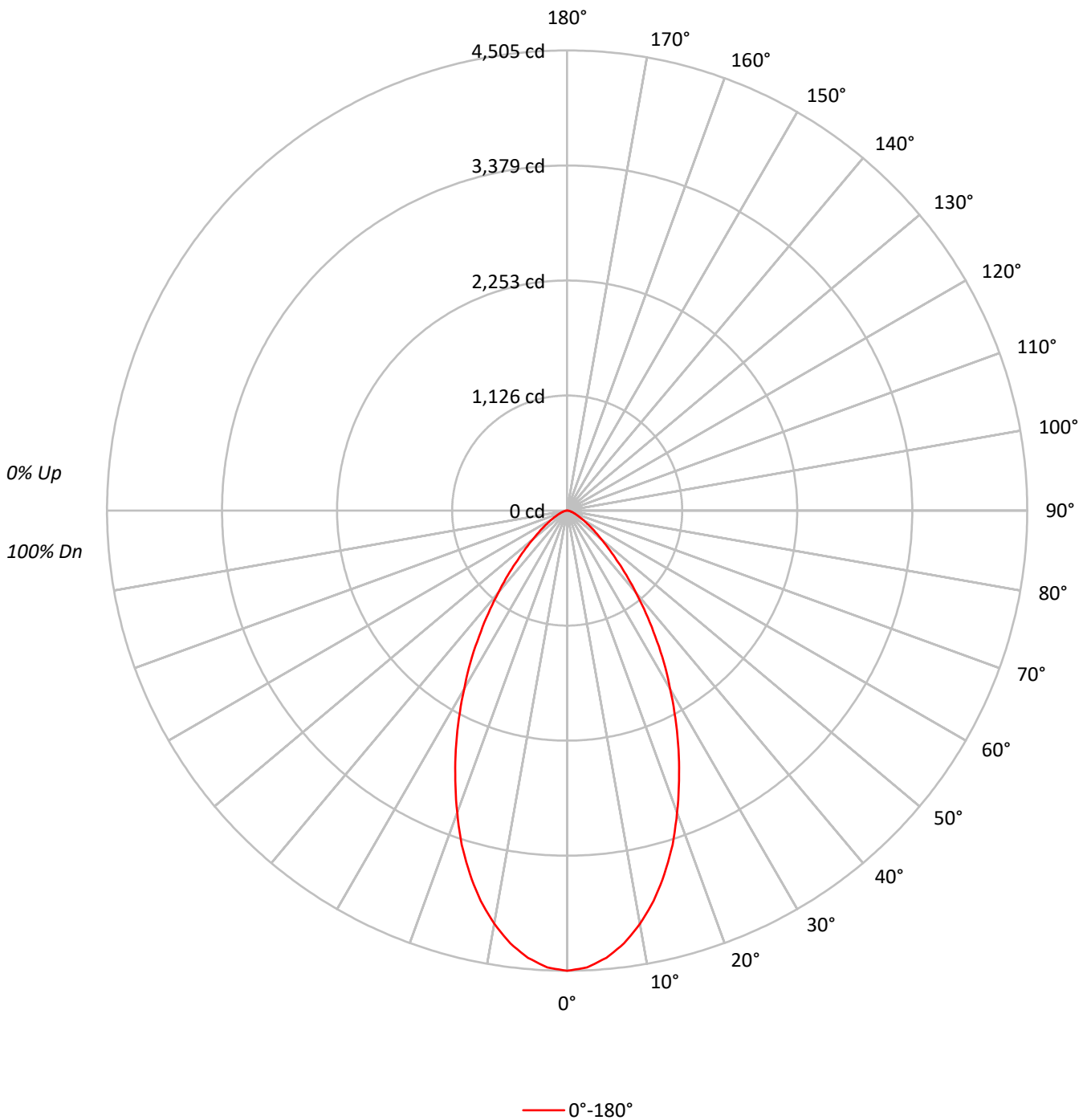
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	109	106	104	110	107	105	102	103	101	99		99	98	96		96	95	93	91
2	106	100	96	92	104	98	94	91	95	92	89		92	89	87		89	87	85	83
3	100	92	86	82	97	91	85	81	88	84	80		85	82	79		83	80	77	76
4	94	85	79	74	92	84	78	73	82	77	72		79	75	72		78	74	71	69
5	88	79	72	67	86	78	71	67	76	70	66		74	69	66		72	68	65	63
6	83	73	66	62	82	72	66	61	71	65	61		69	64	60		68	63	60	58
7	79	68	61	57	77	67	61	57	66	60	56		65	60	56		64	59	56	54
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60	55	52	50
9	70	60	53	49	69	59	53	49	58	53	49		57	52	48		56	52	48	47
10	67	56	50	46	66	56	50	46	55	49	45		54	49	45		53	49	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	322574
5°	315907
10°	298656
15°	272960
20°	239800
25°	203830
30°	166755
35°	131263
40°	97807
45°	69353
50°	48935
55°	35153
60°	25161
65°	18264
70°	14215
75°	11592
80°	9896
85°	9858



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	410.5	9.1
10°-20°	1024.6	22.6
20°-30°	1178.6	26.0
30°-40°	940.5	20.8
40°-50°	542.2	12.0
50°-60°	258.4	5.7
60°-70°	111.8	2.5
70°-80°	45.8	1.0
80°-90°	13.6	0.3
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°	2613.8	57.7
0°-40°	3554.2	78.5
0°-60°	4354.8	96.2
0°-90°	4526.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4526.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4505	
5°	4395	411
15°	3682	1025
25°	2580	1179
35°	1502	940
45°	685	542
55°	282	258
65°	108	112
75°	42	46
85°	12	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4505.1
2.5°	4477.1
5°	4395.2
7.5°	4273.4
10°	4107.7
12.5°	3914.0
15°	3682.3
17.5°	3430.7
20°	3147.1
22.5°	2861.6
25°	2580.0
27.5°	2294.5
30°	2016.9
32.5°	1763.3
35°	1501.7
37.5°	1268.0
40°	1046.4
42.5°	856.7
45°	684.9
47.5°	549.2
50°	439.3
52.5°	351.5
55°	281.6
57.5°	221.7
60°	175.7
62.5°	137.8
65°	107.8
67.5°	85.9
70°	67.9
72.5°	53.9
75°	41.9
77.5°	32.0
80°	24.0
82.5°	18.0
85°	12.0
87.5°	8.0
90°	0.0

(END OF REPORT)