

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: P365783

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-MW-BTR86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365783
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-17)
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-MW-BTR86
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3605.1 lumens
Efficiency: N/A
Efficacy: 62.0 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

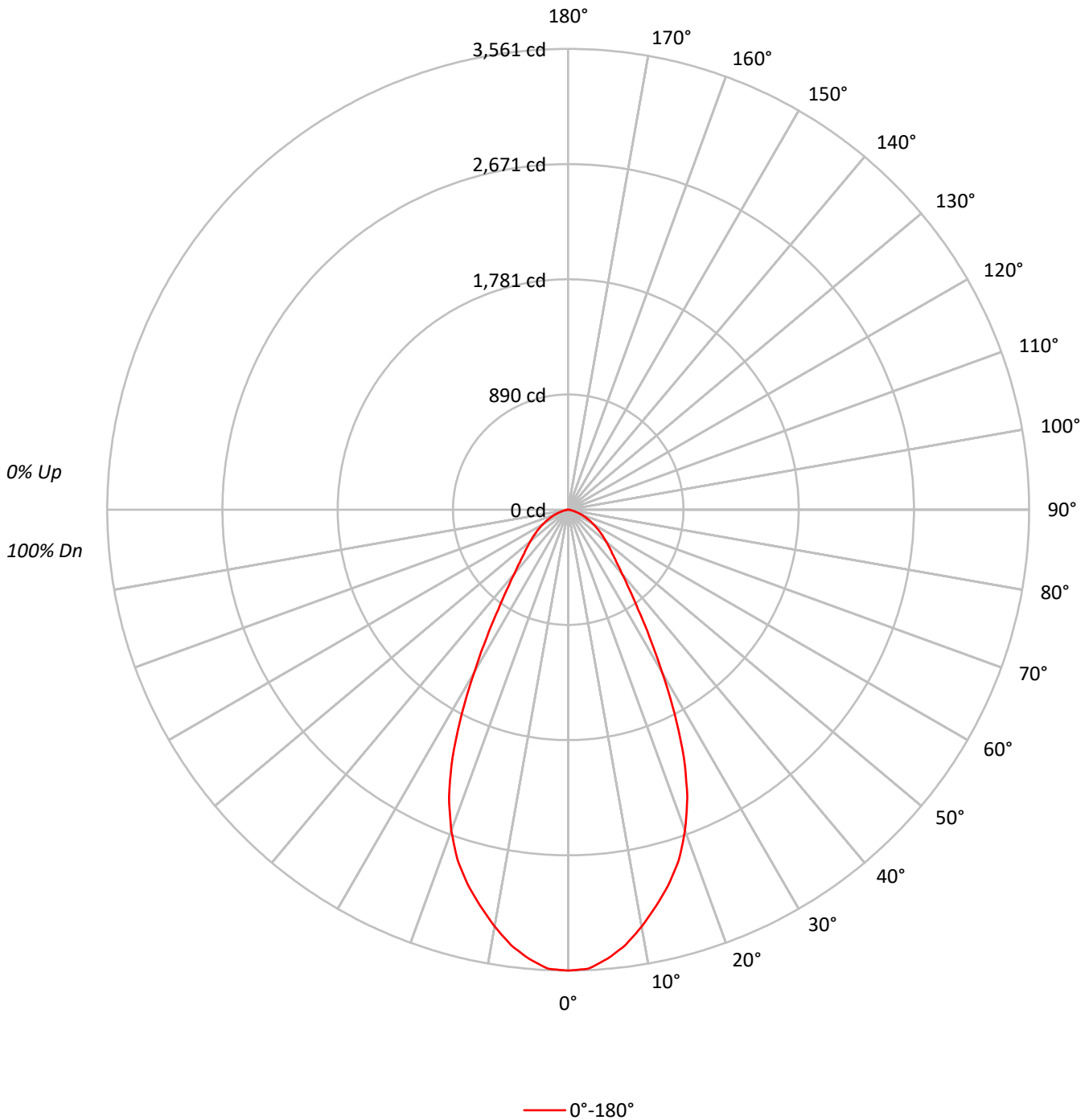
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	101	103	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	98	93	89	94	91	87		91	88	85		88	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82	79	76	74
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76	72	69	68
5	87	78	71	66	86	77	70	65	75	69	65		73	68	64		71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67	62	59	57
7	78	67	60	56	76	66	60	55	65	59	55		64	59	55		63	58	54	53
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59	54	51	49
9	70	59	52	48	69	59	52	48	58	52	48		57	51	48		56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45		53	48	45		53	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	254996
5°	250363
10°	237765
15°	222235
20°	201107
25°	167014
30°	119835
35°	82253
40°	60540
45°	48919
50°	42541
55°	37400
60°	32321
65°	27531
70°	21647
75°	15188
80°	9566
85°	10434



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	325.8	9.0
10°-20°	836.5	23.2
20°-30°	948.9	26.3
30°-40°	608.2	16.9
40°-50°	381.2	10.6
50°-60°	268.9	7.5
60°-70°	161.5	4.5
70°-80°	61.7	1.7
80°-90°	12.4	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°	2111.3	58.6
0°-40°	2719.4	75.4
0°-60°	3369.5	93.5
0°-90°	3605.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3605.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3561	
5°	3483	326
15°	2998	837
25°	2114	949
35°	941	608
45°	483	381
55°	300	269
65°	162	162
75°	55	62
85°	13	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3561.3
2.5°	3550.8
5°	3483.3
7.5°	3392.5
10°	3270.2
12.5°	3137.3
15°	2998.0
17.5°	2839.8
20°	2639.3
22.5°	2405.2
25°	2114.0
27.5°	1778.6
30°	1449.4
32.5°	1170.9
35°	941.0
37.5°	774.3
40°	647.7
42.5°	554.9
45°	483.1
47.5°	430.4
50°	381.9
52.5°	339.7
55°	299.6
57.5°	261.6
60°	225.7
62.5°	194.1
65°	162.5
67.5°	132.9
70°	103.4
72.5°	78.1
75°	54.9
77.5°	38.0
80°	23.2
82.5°	14.8
85°	12.7
87.5°	6.3
90°	0.0

(END OF REPORT)