

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: P365758

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-MW-BL89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365758
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-34)
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-MW-BL89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS ACRYLIC, CLEAR 0.125", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4989.9 lumens
Efficiency: N/A
Efficacy: 85.9 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.95
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

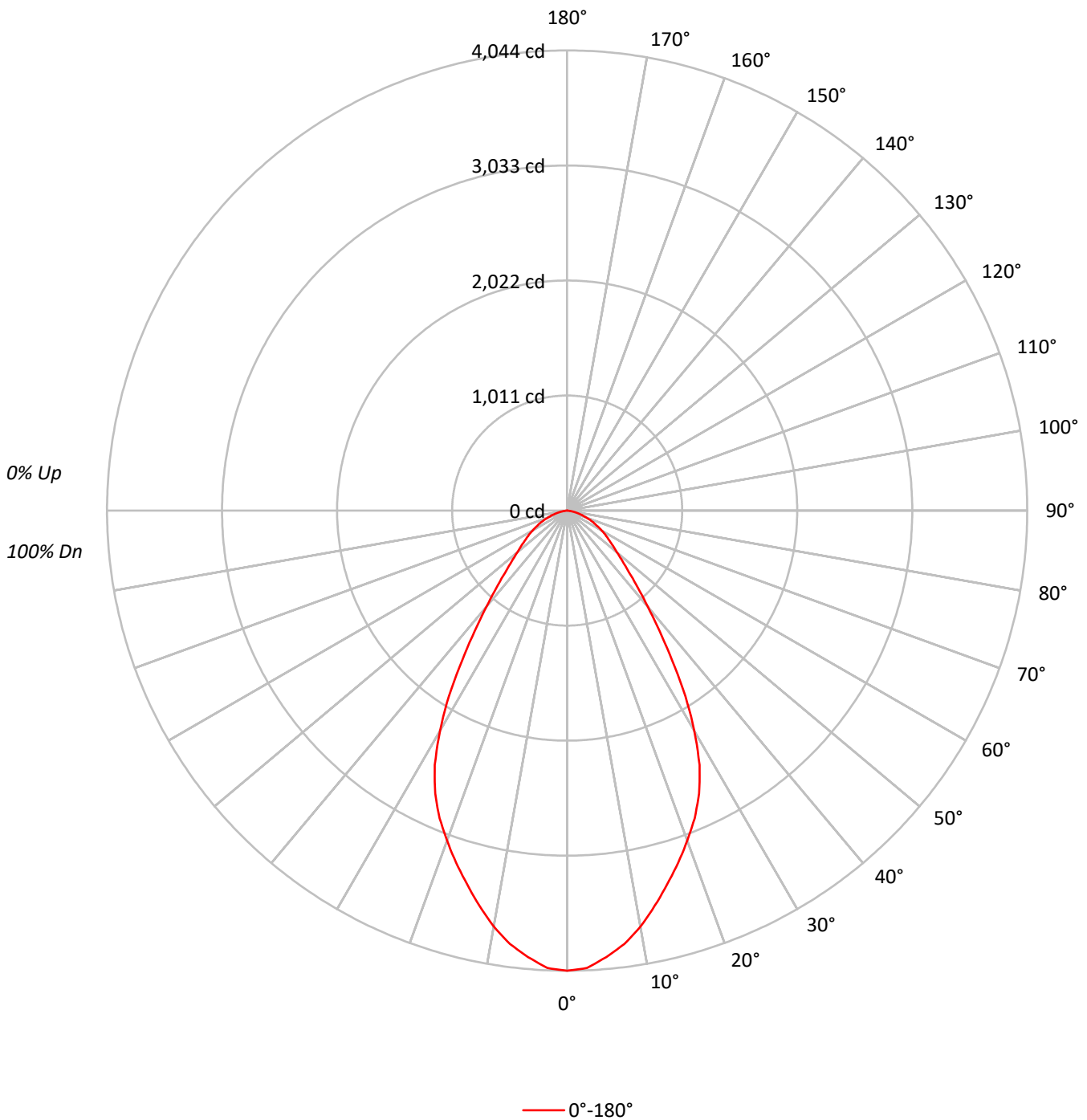
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	105	102	109	106	103	101	102	100	97		98	96	95		95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68		76	71	67		74	70	67	65
5	85	75	68	63	84	74	67	62	72	66	62		70	65	61		69	64	61	59
6	80	69	62	57	78	68	62	57	67	61	56		65	60	56		64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56	51	47	45
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	44	42
10	64	52	46	41	62	52	45	41	51	45	41		50	45	41		49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	110460
5°	108000
10°	102964
15°	96123
20°	89705
25°	82702
30°	70434
35°	53580
40°	39227
45°	29841
50°	24248
55°	21287
60°	19132
65°	16908
70°	14312
75°	11303
80°	7771
85°	3228



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	369.1	7.4
10°-20°	954.8	19.1
20°-30°	1244.2	24.9
30°-40°	1013.0	20.3
40°-50°	610.9	12.2
50°-60°	404.9	8.1
60°-70°	259.9	5.2
70°-80°	115.8	2.3
80°-90°	17.4	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°	2568.1	51.5
0°-40°	3581.1	71.8
0°-60°	4596.9	92.1
0°-90°	4989.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4989.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4044	
5°	3939	369
15°	3399	955
25°	2744	1244
35°	1607	1013
45°	772	611
55°	447	405
65°	262	260
75°	107	116
85°	10	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4043.9
2.5°	4023.3
5°	3938.8
7.5°	3842.0
10°	3712.2
12.5°	3557.7
15°	3399.1
17.5°	3244.6
20°	3086.0
22.5°	2927.3
25°	2744.0
27.5°	2519.4
30°	2233.1
32.5°	1934.4
35°	1606.8
37.5°	1332.9
40°	1100.1
42.5°	916.7
45°	772.5
47.5°	659.2
50°	570.6
52.5°	506.8
55°	447.0
57.5°	399.6
60°	350.2
62.5°	304.9
65°	261.6
67.5°	220.4
70°	179.2
72.5°	142.1
75°	107.1
77.5°	76.2
80°	49.4
82.5°	26.8
85°	10.3
87.5°	2.1
90°	0.0

(END OF REPORT)