

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: P365776

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-MW-BL89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365776
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-FEU6B67-8050-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: 5111.0 lumens
Efficiency: N/A
Efficacy: 88.0 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

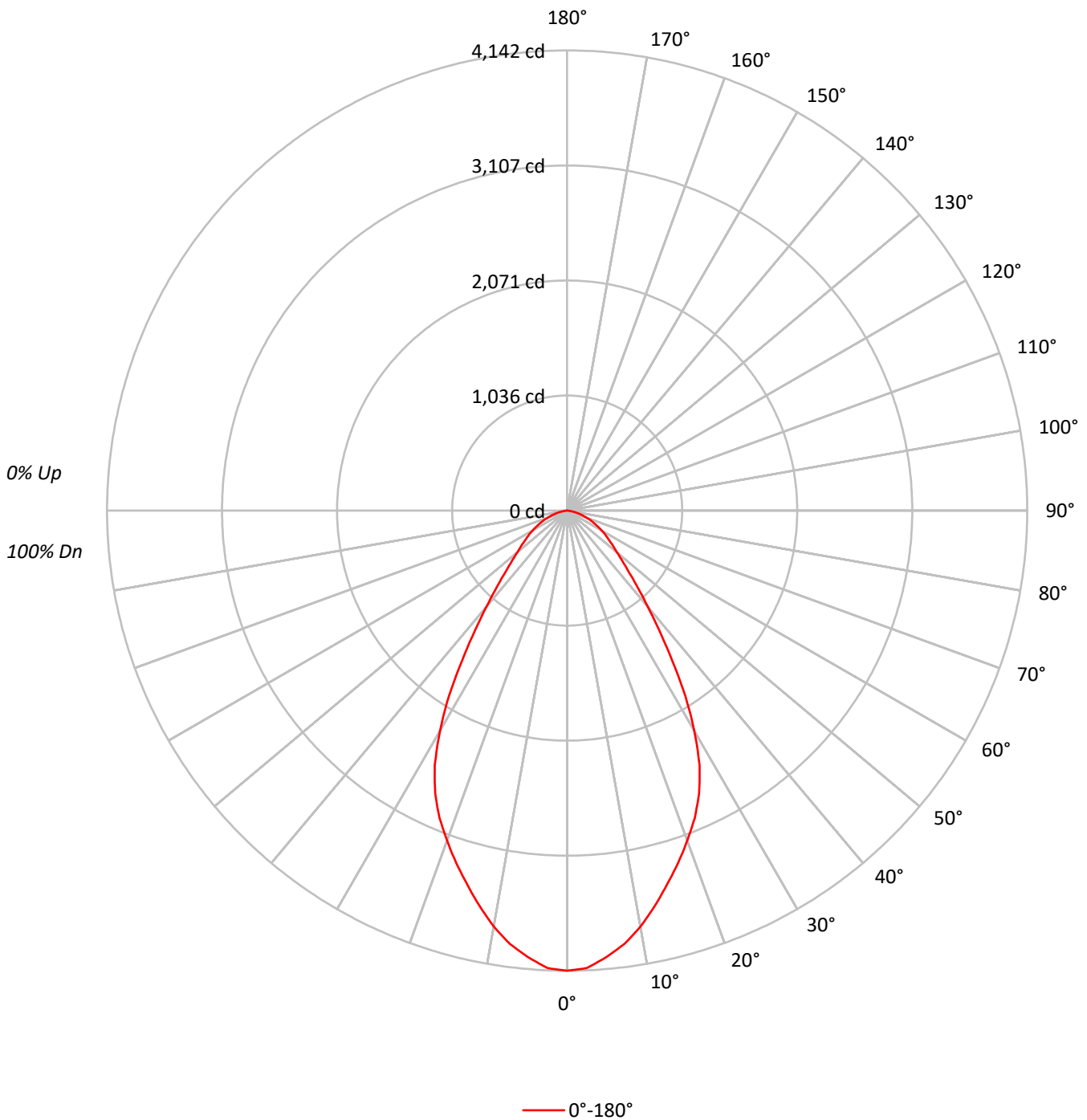
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	113137
5°	110619
10°	105460
15°	98453
20°	91879
25°	84706
30°	72140
35°	54880
40°	40175
45°	30568
50°	24838
55°	21806
60°	19596
65°	17322
70°	14663
75°	11578
80°	7959
85°	3322



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	378.1	7.4
10°-20°	977.9	19.1
20°-30°	1274.4	24.9
30°-40°	1037.6	20.3
40°-50°	625.7	12.2
50°-60°	414.8	8.1
60°-70°	266.2	5.2
70°-80°	118.6	2.3
80°-90°	17.8	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°	2630.4	51.5
0°-40°	3667.9	71.8
0°-60°	4708.4	92.1
0°-90°	5111.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5111.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4142	
5°	4034	378
15°	3482	978
25°	2810	1274
35°	1646	1038
45°	791	626
55°	458	415
65°	268	266
75°	110	119
85°	11	18
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4141.9
2.5°	4120.8
5°	4034.3
7.5°	3935.2
10°	3802.2
12.5°	3644.0
15°	3481.5
17.5°	3323.3
20°	3160.8
22.5°	2998.3
25°	2810.5
27.5°	2580.5
30°	2287.2
32.5°	1981.3
35°	1645.8
37.5°	1365.2
40°	1126.7
42.5°	939.0
45°	791.3
47.5°	675.2
50°	584.5
52.5°	519.1
55°	457.9
57.5°	409.3
60°	358.7
62.5°	312.3
65°	268.0
67.5°	225.8
70°	183.6
72.5°	145.6
75°	109.7
77.5°	78.1
80°	50.6
82.5°	27.4
85°	10.6
87.5°	2.1
90°	0.0

(END OF REPORT)