

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: P365737

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-MW-BL86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365737
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-38)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-MW-BL86
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.250", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4615.0 lumens
Efficiency: N/A
Efficacy: 79.4 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

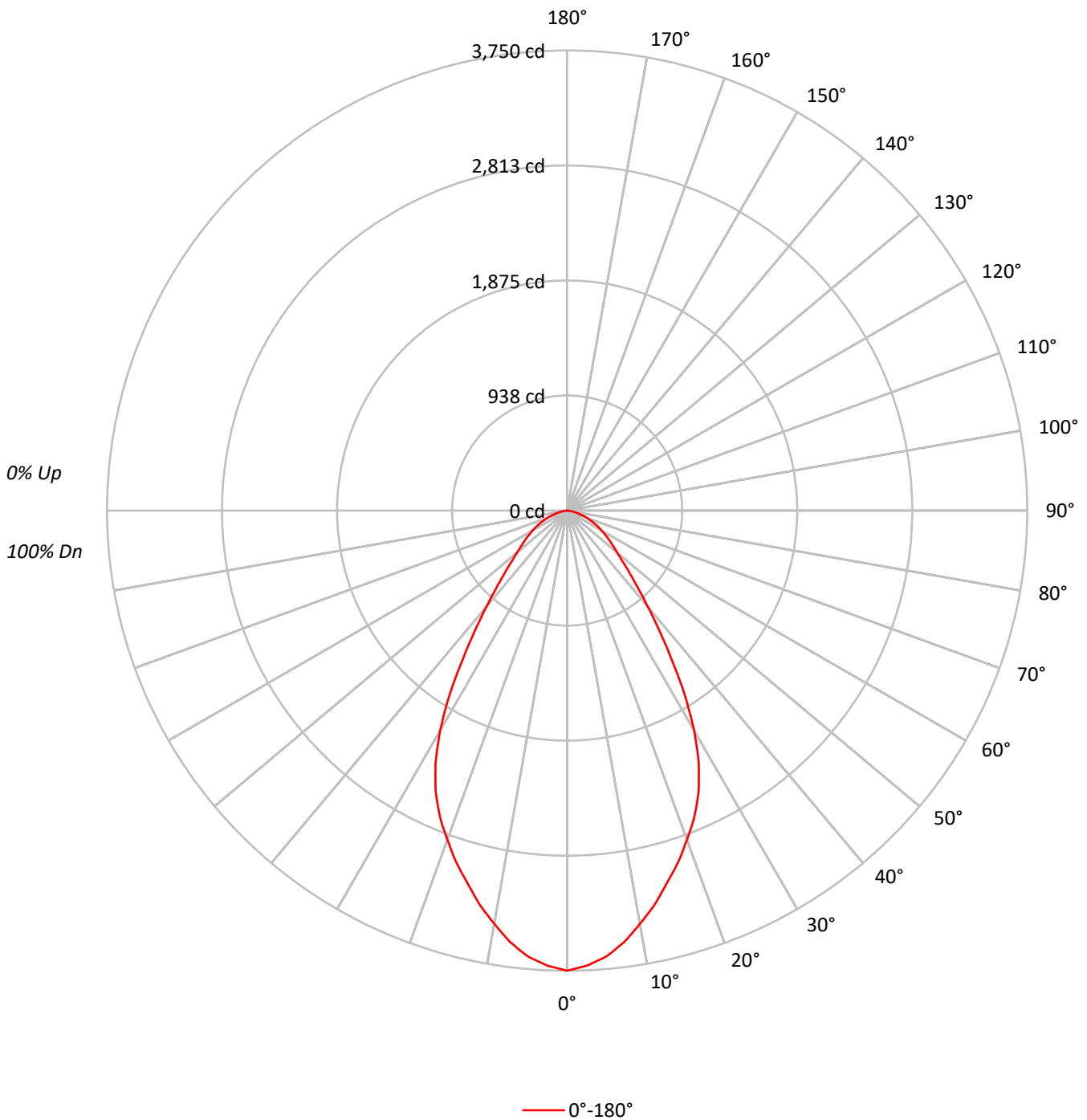
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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		83	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°	102424
5°	100024
10°	94854
15°	88815
20°	82949
25°	76366
30°	65271
35°	49649
40°	36385
45°	27697
50°	22590
55°	19882
60°	17695
65°	15531
70°	13178
75°	10322
80°	7047
85°	3197



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	340.9	7.4
10°-20°	882.8	19.1
20°-30°	1149.4	24.9
30°-40°	938.1	20.3
40°-50°	567.1	12.3
50°-60°	375.6	8.1
60°-70°	239.1	5.2
70°-80°	106.0	2.3
80°-90°	16.0	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°	2373.2	51.4
0°-40°	3311.3	71.7
0°-60°	4254.0	92.2
0°-90°	4615.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4615.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3750	
5°	3648	341
15°	3141	883
25°	2534	1149
35°	1489	938
45°	717	567
55°	418	376
65°	240	239
75°	98	106
85°	10	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3749.7
2.5°	3711.0
5°	3647.9
7.5°	3548.1
10°	3419.8
12.5°	3289.4
15°	3140.7
17.5°	3006.3
20°	2853.6
22.5°	2706.9
25°	2533.8
27.5°	2321.9
30°	2069.4
32.5°	1786.3
35°	1488.9
37.5°	1236.3
40°	1020.4
42.5°	849.3
45°	717.0
47.5°	613.1
50°	531.6
52.5°	468.5
55°	417.5
57.5°	368.7
60°	323.9
62.5°	281.1
65°	240.3
67.5°	201.6
70°	165.0
72.5°	130.4
75°	97.8
77.5°	69.3
80°	44.8
82.5°	24.4
85°	10.2
87.5°	2.0
90°	0.0

(END OF REPORT)