

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: P365718

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-MW-BL85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365718
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-37)
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-MW-BL85
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.187", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4582.0 lumens
Efficiency: N/A
Efficacy: 78.9 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

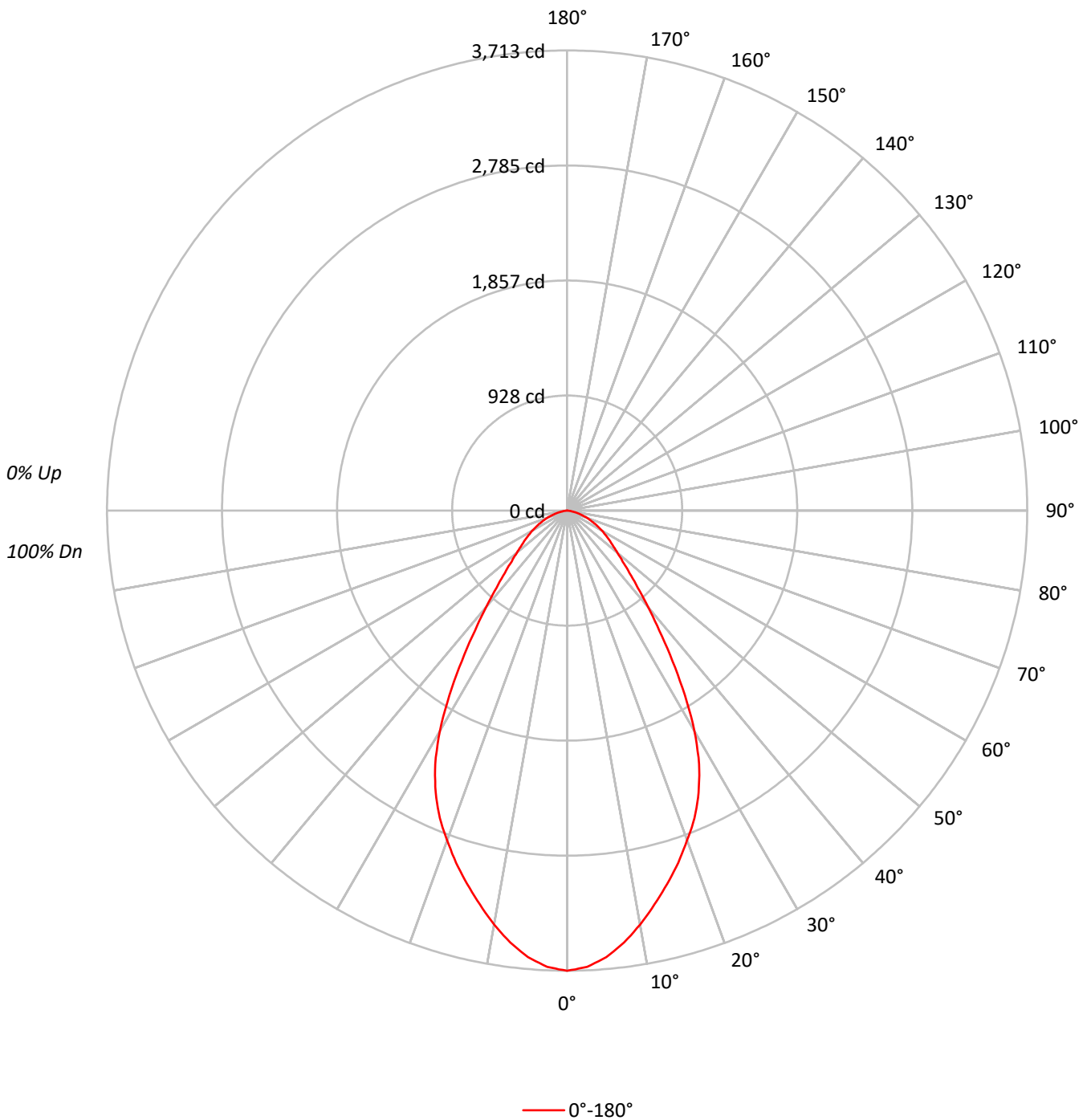
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	94		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	69	89	80	74	69	78	73	68		76	71	67		74	70	67	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	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	63	57	52	62	56	51		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°	101433
5°	99190
10°	94077
15°	88176
20°	82278
25°	75676
30°	64832
35°	49358
40°	36253
45°	27470
50°	22493
55°	19787
60°	17678
65°	15493
70°	13242
75°	10332
80°	6906
85°	3134



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	338.1	7.4
10°-20°	875.3	19.1
20°-30°	1140.7	24.9
30°-40°	930.0	20.3
40°-50°	563.0	12.3
50°-60°	373.9	8.2
60°-70°	239.2	5.2
70°-80°	106.0	2.3
80°-90°	15.7	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°	2354.1	51.4
0°-40°	3284.1	71.7
0°-60°	4221.1	92.1
0°-90°	4582.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4582.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3713	
5°	3618	338
15°	3118	875
25°	2511	1141
35°	1480	930
45°	711	563
55°	416	374
65°	240	239
75°	98	106
85°	10	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3713.4
2.5°	3685.4
5°	3617.5
7.5°	3515.7
10°	3391.8
12.5°	3256.0
15°	3118.1
17.5°	2980.3
20°	2830.5
22.5°	2686.7
25°	2510.9
27.5°	2307.1
30°	2055.5
32.5°	1767.8
35°	1480.2
37.5°	1220.5
40°	1016.7
42.5°	843.0
45°	711.1
47.5°	607.2
50°	529.3
52.5°	465.4
55°	415.5
57.5°	367.5
60°	323.6
62.5°	281.7
65°	239.7
67.5°	201.8
70°	165.8
72.5°	129.8
75°	97.9
77.5°	69.9
80°	43.9
82.5°	24.0
85°	10.0
87.5°	2.0
90°	0.0

(END OF REPORT)