

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: P365716

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365716
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-MW
Description: VANDAL RESISTANT OPEN, MATTE WHITE REFLECTOR, 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4912.9 lumens
Efficiency: N/A
Efficacy: 84.6 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.94
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

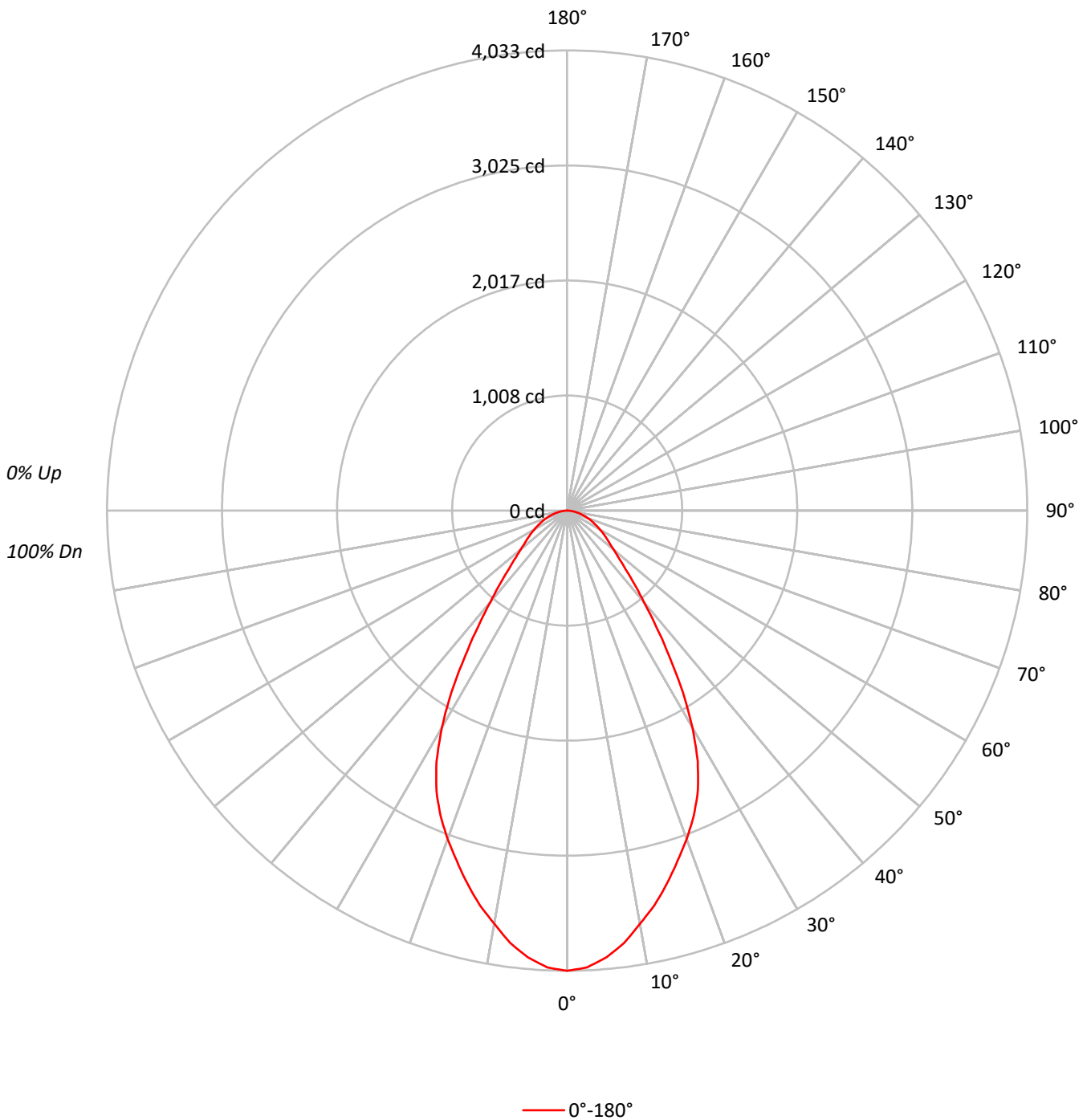
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	102	99	97		98	96	94		94	93	91	89
2	104	98	93	88	102	96	91	87	93	89	85		89	86	83		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	74		80	76	73	71
4	91	81	75	69	89	80	74	69	78	72	68		76	71	67		74	70	66	64
5	85	75	68	62	83	74	67	62	72	66	61		70	65	61		68	64	60	59
6	80	69	62	57	78	68	61	56	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	63	52	45	41	51	45	41		50	45	41		49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	110171
5°	107795
10°	101982
15°	95665
20°	88998
25°	81695
30°	69229
35°	51999
40°	37312
45°	27914
50°	22493
55°	19959
60°	18137
65°	16624
70°	15214
75°	13931
80°	12411
85°	10248



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	367.3	7.5
10°-20°	948.4	19.3
20°-30°	1228.3	25.0
30°-40°	983.2	20.0
40°-50°	573.4	11.7
50°-60°	377.9	7.7
60°-70°	256.4	5.2
70°-80°	140.3	2.9
80°-90°	37.7	0.8
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°	2544.1	51.8
0°-40°	3527.3	71.8
0°-60°	4478.5	91.2
0°-90°	4912.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4912.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4033	
5°	3931	367
15°	3383	948
25°	2711	1228
35°	1559	983
45°	723	573
55°	419	378
65°	257	256
75°	132	140
85°	33	38
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4033.3
2.5°	4007.5
5°	3931.3
7.5°	3822.4
10°	3676.8
12.5°	3540.7
15°	3382.9
17.5°	3218.2
20°	3061.7
22.5°	2898.4
25°	2710.6
27.5°	2478.0
30°	2194.9
32.5°	1888.7
35°	1559.4
37.5°	1283.2
40°	1046.4
42.5°	866.8
45°	722.6
47.5°	612.3
50°	529.3
52.5°	466.7
55°	419.1
57.5°	375.6
60°	332.0
62.5°	293.9
65°	257.2
67.5°	224.5
70°	190.5
72.5°	160.6
75°	132.0
77.5°	104.8
80°	78.9
82.5°	54.4
85°	32.7
87.5°	12.2
90°	0.0

(END OF REPORT)