

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: P365770

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365770
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-FEU6B67-8040-F6LBXVM1-MW
Description: VANDAL RESISTANT OPEN, MATTE WHITE REFLECTOR, 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5294.0 lumens
Efficiency: N/A
Efficacy: 91.1 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

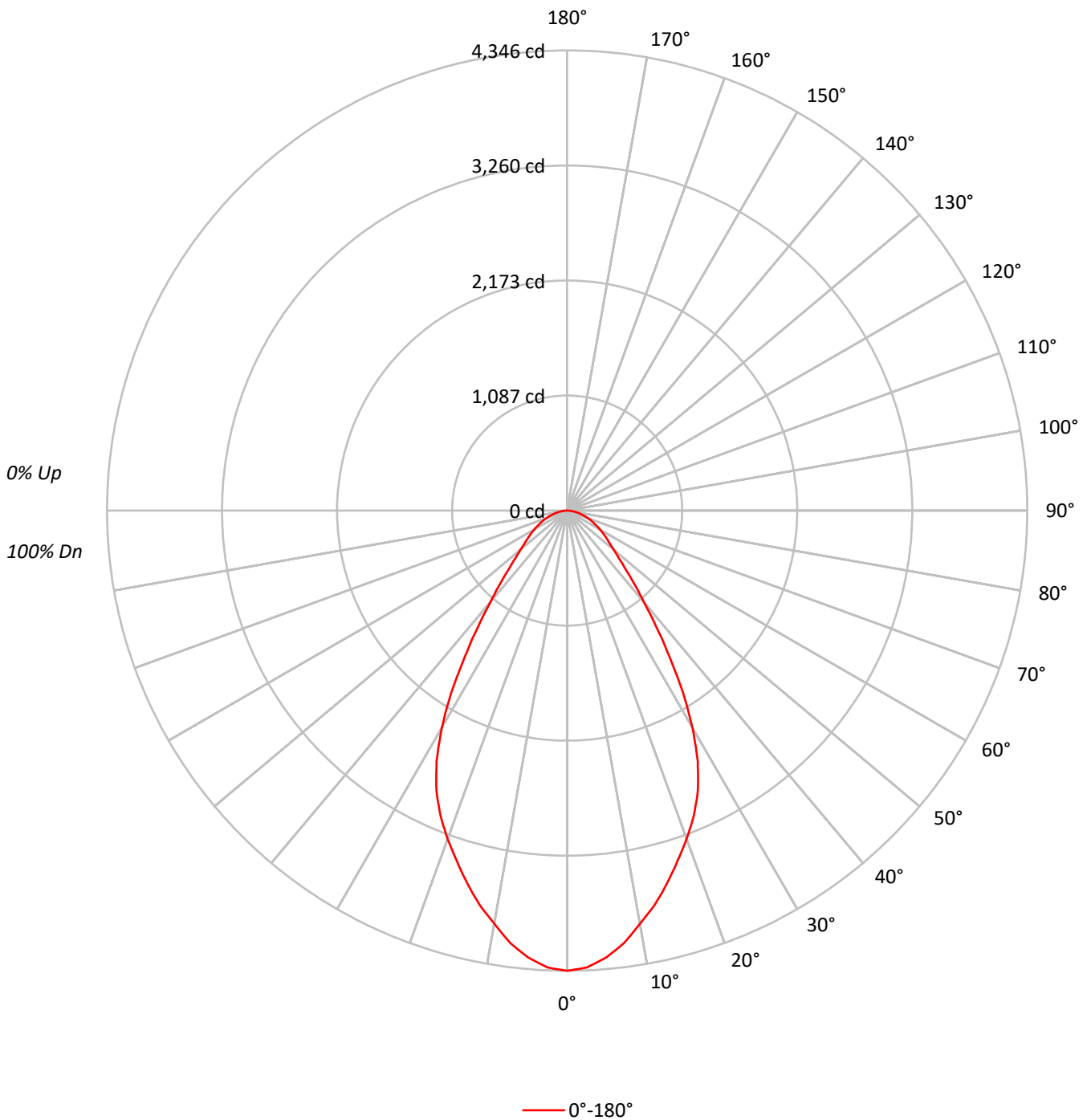
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	118715
5°	116152
10°	109890
15°	103082
20°	95902
25°	88033
30°	74598
35°	56034
40°	40207
45°	30077
50°	24239
55°	21506
60°	19547
65°	17910
70°	16396
75°	15008
80°	13371
85°	11032



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	395.8	7.5
10°-20°	1022.0	19.3
20°-30°	1323.6	25.0
30°-40°	1059.5	20.0
40°-50°	617.8	11.7
50°-60°	407.2	7.7
60°-70°	276.3	5.2
70°-80°	151.1	2.9
80°-90°	40.7	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°	2741.4	51.8
0°-40°	3800.8	71.8
0°-60°	4825.8	91.2
0°-90°	5294.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5294.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4346	
5°	4236	396
15°	3645	1022
25°	2921	1324
35°	1680	1059
45°	779	618
55°	452	407
65°	277	276
75°	142	151
85°	35	41
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4346.1
2.5°	4318.2
5°	4236.1
7.5°	4118.8
10°	3961.9
12.5°	3815.3
15°	3645.2
17.5°	3467.8
20°	3299.2
22.5°	3123.2
25°	2920.9
27.5°	2670.1
30°	2365.1
32.5°	2035.2
35°	1680.4
37.5°	1382.7
40°	1127.6
42.5°	934.0
45°	778.6
47.5°	659.8
50°	570.4
52.5°	502.9
55°	451.6
57.5°	404.7
60°	357.8
62.5°	316.7
65°	277.1
67.5°	241.9
70°	205.3
72.5°	173.0
75°	142.2
77.5°	112.9
80°	85.0
82.5°	58.7
85°	35.2
87.5°	13.2
90°	0.0

(END OF REPORT)