

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: P365629

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-MW-BL86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365629
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: FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-MW-BL86
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.250", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3873.0 lumens
Efficiency: N/A
Efficacy: 70.3 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

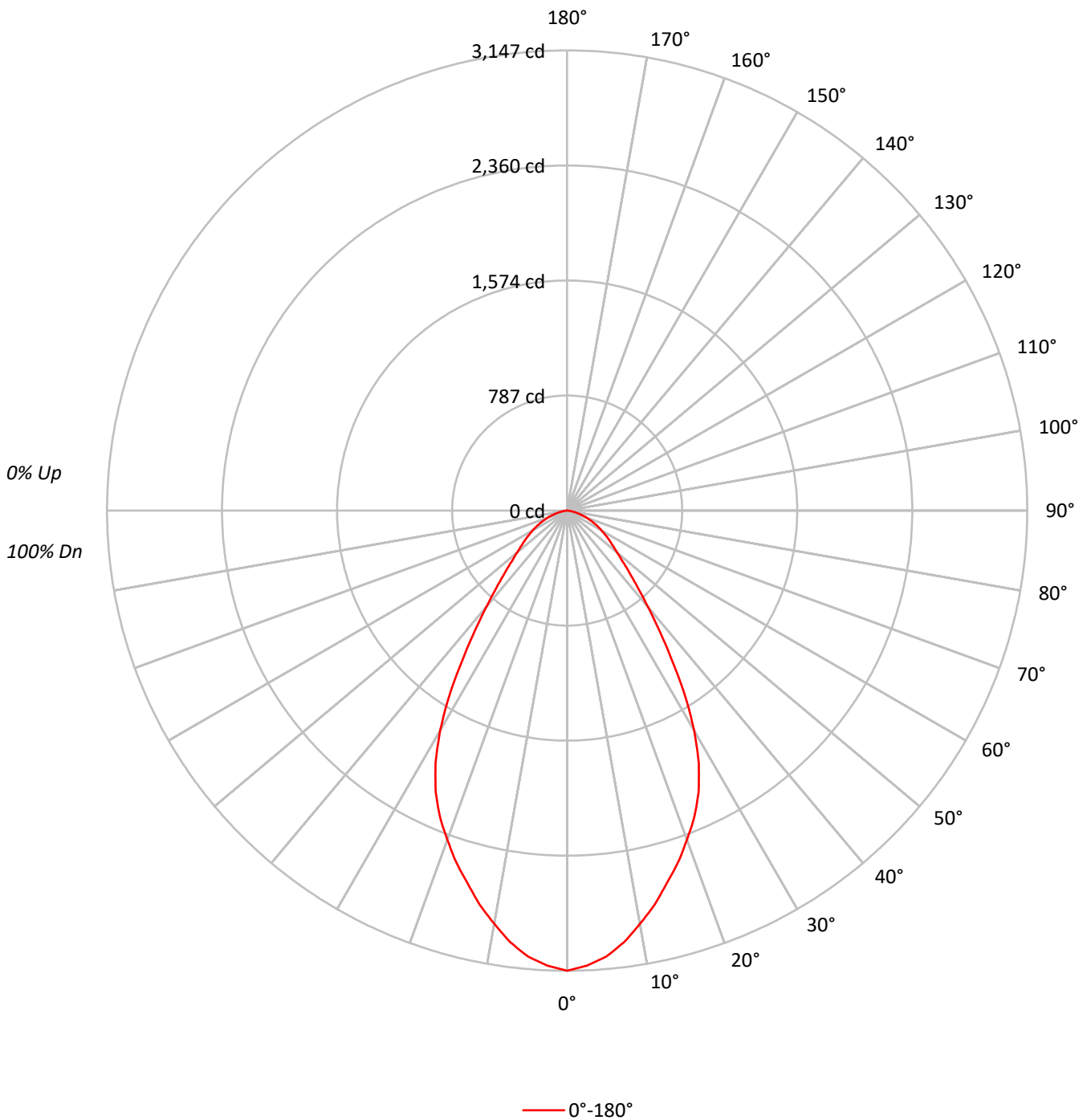
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	85958
5°	83942
10°	79601
15°	74537
20°	69613
25°	64088
30°	54777
35°	41666
40°	30537
45°	23243
50°	18957
55°	16687
60°	14849
65°	13037
70°	11061
75°	8654
80°	5915
85°	2664



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.1	7.4
10°-20°	740.9	19.1
20°-30°	964.6	24.9
30°-40°	787.3	20.3
40°-50°	475.9	12.3
50°-60°	315.2	8.1
60°-70°	200.6	5.2
70°-80°	88.9	2.3
80°-90°	13.5	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°	1991.7	51.4
0°-40°	2778.9	71.8
0°-60°	3570.0	92.2
0°-90°	3873.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3873.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3147	
5°	3061	286
15°	2636	741
25°	2126	965
35°	1250	787
45°	602	476
55°	350	315
65°	202	201
75°	82	89
85°	8	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3146.9
2.5°	3114.4
5°	3061.4
7.5°	2977.6
10°	2869.9
12.5°	2760.6
15°	2635.8
17.5°	2523.0
20°	2394.8
22.5°	2271.7
25°	2126.4
27.5°	1948.6
30°	1736.7
32.5°	1499.1
35°	1249.5
37.5°	1037.6
40°	856.4
42.5°	712.8
45°	601.7
47.5°	514.5
50°	446.1
52.5°	393.1
55°	350.4
57.5°	309.4
60°	271.8
62.5°	235.9
65°	201.7
67.5°	169.2
70°	138.5
72.5°	109.4
75°	82.0
77.5°	58.1
80°	37.6
82.5°	20.5
85°	8.5
87.5°	1.7
90°	0.0

(END OF REPORT)