

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: P365570

Luminaire Tested: **FLD6BX40D010-FEU6B35-8035-F6LBXVM1-MW-BTR89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365570
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX40D010-FEU6B35-8035-F6LBXVM1-MW-BTR89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR 0.125", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2632.0 lumens
Efficiency: N/A
Efficacy: 64.8 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

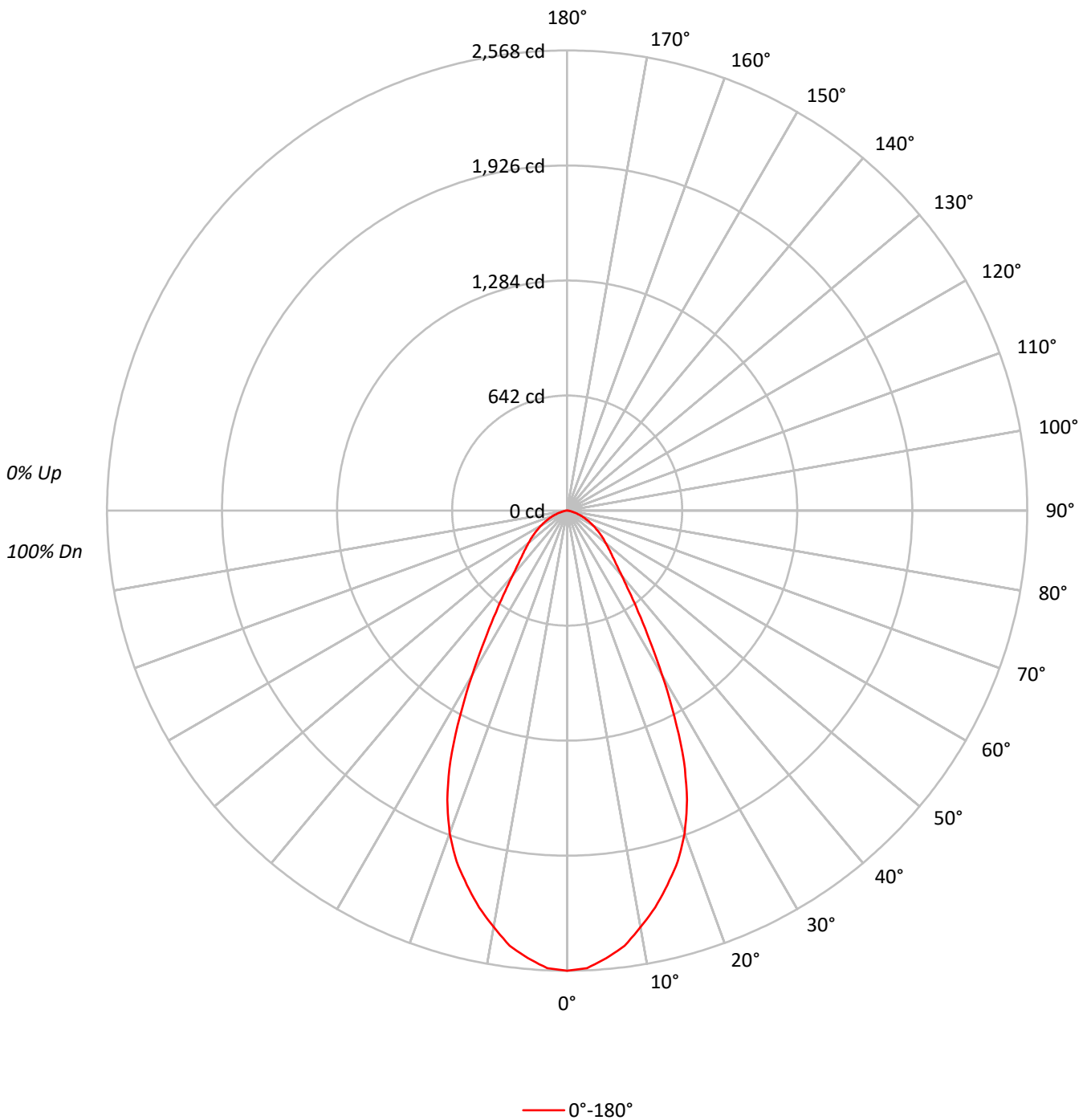
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	106	103	110	107	104	101	102	100	98		99	97	95		95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78		84	80	77		82	78	76	74
4	93	84	77	72	91	82	76	72	80	75	71		78	74	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71	67	63	62
6	82	72	65	60	81	71	64	60	69	64	59		68	63	59		66	62	58	57
7	78	67	60	55	76	66	60	55	65	59	55		64	58	54		62	58	54	53
8	73	63	56	51	72	62	56	51	61	55	51		60	54	51		59	54	50	49
9	70	59	52	48	68	58	52	48	57	51	47		56	51	47		55	51	47	46
10	66	55	49	45	65	55	49	45	54	48	44		53	48	44		52	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	183881
5°	180242
10°	171609
15°	160286
20°	146039
25°	121911
30°	87648
35°	60505
40°	44230
45°	35826
50°	31279
55°	27688
60°	24130
65°	20466
70°	16455
75°	11647
80°	8123
85°	9201



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.0	8.9
10°-20°	604.7	23.0
20°-30°	691.2	26.3
30°-40°	444.7	16.9
40°-50°	278.7	10.6
50°-60°	199.0	7.6
60°-70°	120.7	4.6
70°-80°	47.3	1.8
80°-90°	10.7	0.4
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°	1530.9	58.2
0°-40°	1975.6	75.1
0°-60°	2453.3	93.2
0°-90°	2632.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2632.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2568	
5°	2508	235
15°	2162	605
25°	1543	691
35°	692	445
45°	354	279
55°	222	199
65°	121	121
75°	42	47
85°	11	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2568.1
2.5°	2555.5
5°	2507.7
7.5°	2450.2
10°	2360.3
12.5°	2269.0
15°	2162.3
17.5°	2052.8
20°	1916.6
22.5°	1748.1
25°	1543.1
27.5°	1296.0
30°	1060.1
32.5°	852.3
35°	692.2
37.5°	565.9
40°	473.2
42.5°	404.4
45°	353.8
47.5°	314.5
50°	280.8
52.5°	251.3
55°	221.8
57.5°	193.8
60°	168.5
62.5°	144.6
65°	120.8
67.5°	99.7
70°	78.6
72.5°	59.0
75°	42.1
77.5°	29.5
80°	19.7
82.5°	12.6
85°	11.2
87.5°	5.6
90°	0.0

(END OF REPORT)