

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: P364815

Luminaire Tested: **FLD6BX40D010-FEU6B35-8027-F6LBXVM1-LI-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364815
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-27)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX40D010-FEU6B35-8027-F6LBXVM1-LI-BTR94
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3044.0 lumens
Efficiency: N/A
Efficacy: 75.0 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

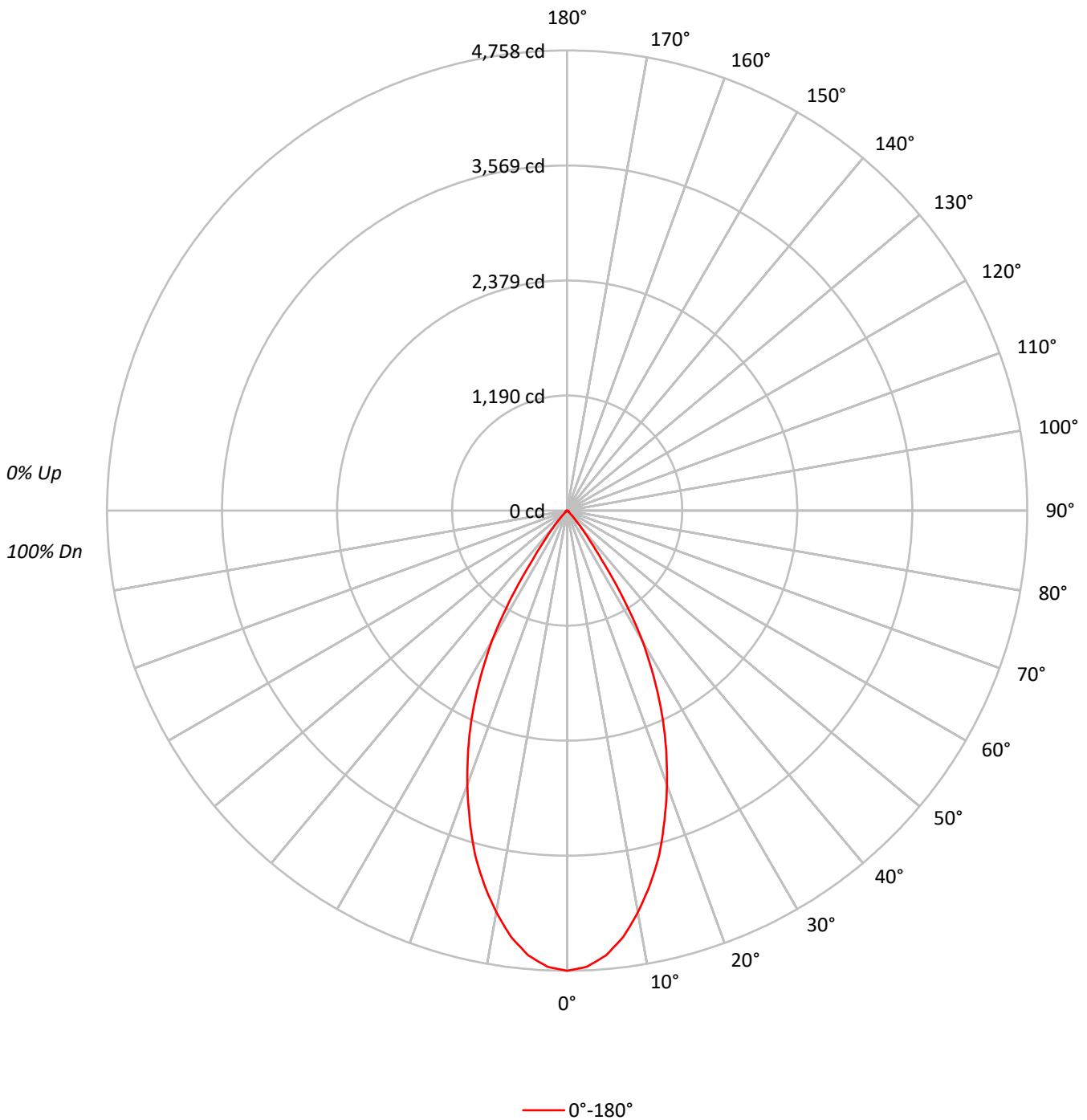
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	88
3	104	98	93	90	102	96	92	89	94	90	87	92	89	86	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	78
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74
6	91	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	70
7	87	78	73	69	85	77	72	68	76	72	68	75	71	68	74	70	67	66
8	83	74	69	65	82	74	68	65	73	68	64	72	67	64	71	67	64	63
9	79	71	65	61	78	70	65	61	69	64	61	68	64	61	67	64	61	59
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	340717
5°	331698
10°	306603
15°	272953
20°	229879
25°	183186
30°	128309
35°	54351
40°	18965
45°	5205
50°	2640
55°	2472
60°	2449
65°	2236
70°	2198
75°	2905
80°	3794
85°	5422



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	427.9	14.1
10°-20°	1018.0	33.4
20°-30°	1047.2	34.4
30°-40°	447.2	14.7
40°-50°	55.9	1.8
50°-60°	17.8	0.6
60°-70°	13.2	0.4
70°-80°	10.6	0.3
80°-90°	6.3	0.2
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°	2493.0	81.9
0°-40°	2940.2	96.6
0°-60°	3013.9	99.0
0°-90°	3044.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3044.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4758	
5°	4615	428
15°	3682	1018
25°	2319	1047
35°	622	447
45°	51	56
55°	20	18
65°	13	13
75°	10	11
85°	7	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4758.5
2.5°	4720.3
5°	4614.9
7.5°	4446.3
10°	4217.0
12.5°	3961.5
15°	3682.2
17.5°	3350.2
20°	3016.9
22.5°	2674.4
25°	2318.7
27.5°	1943.2
30°	1551.9
32.5°	1102.7
35°	621.8
37.5°	355.7
40°	202.9
42.5°	105.4
45°	51.4
47.5°	27.7
50°	23.7
52.5°	21.1
55°	19.8
57.5°	18.4
60°	17.1
62.5°	14.5
65°	13.2
67.5°	11.9
70°	10.5
72.5°	10.5
75°	10.5
77.5°	9.2
80°	9.2
82.5°	7.9
85°	6.6
87.5°	4.0
90°	0.0

(END OF REPORT)