

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: P364810

Luminaire Tested: **FLD6BX40D010-FEU6B35-8027-F6LBXVM1-LI-BTR85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364810
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-24)
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-BTR85
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2958.1 lumens
Efficiency: N/A
Efficacy: 72.9 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

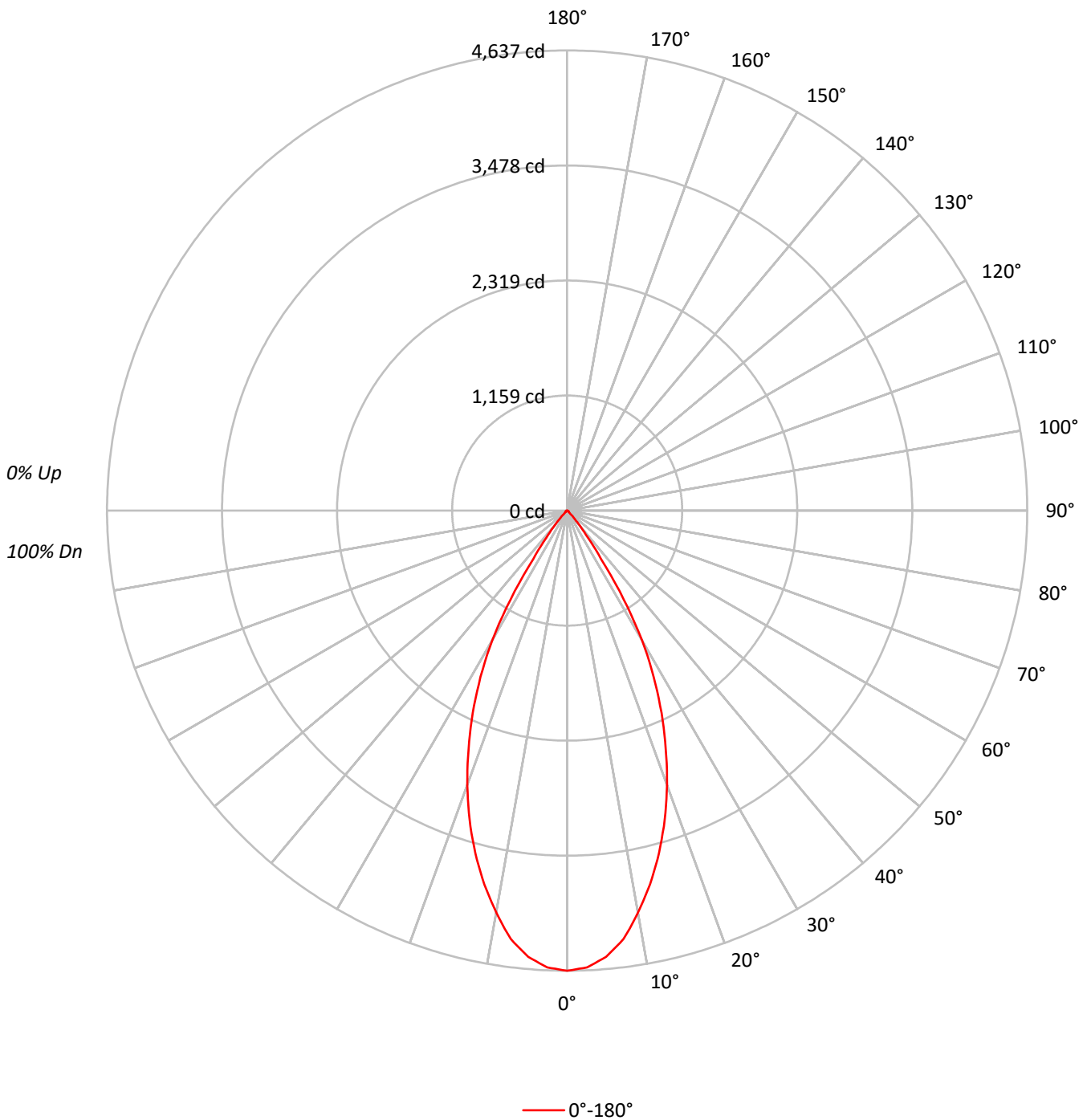
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	89
3	104	98	93	90	102	97	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	78	74	71	70
7	87	78	73	69	85	77	72	69	76	72	68	75	71	68	74	70	68	66
8	83	74	69	65	82	74	68	65	73	68	65	72	67	64	71	67	64	63
9	79	71	65	62	78	70	65	61	69	65	61	68	64	61	68	64	61	60
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°	331996
5°	324431
10°	299092
15°	264910
20°	224279
25°	177688
30°	124870
35°	52009
40°	17843
45°	4769
50°	2618
55°	2447
60°	2248
65°	2219
70°	2198
75°	2545
80°	3216
85°	5340



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	418.3	14.1
10°-20°	991.4	33.5
20°-30°	1017.8	34.4
30°-40°	431.0	14.6
40°-50°	53.0	1.8
50°-60°	17.5	0.6
60°-70°	13.0	0.4
70°-80°	10.1	0.3
80°-90°	6.0	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°	2427.5	82.1
0°-40°	2858.5	96.6
0°-60°	2929.0	99.0
0°-90°	2958.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2958.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4637	
5°	4514	418
15°	3574	991
25°	2249	1018
35°	595	431
45°	47	53
55°	20	18
65°	13	13
75°	9	10
85°	6	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4636.7
2.5°	4606.7
5°	4513.8
7.5°	4354.3
10°	4113.7
12.5°	3857.4
15°	3573.7
17.5°	3269.0
20°	2943.4
22.5°	2596.9
25°	2249.1
27.5°	1889.5
30°	1510.3
32.5°	1064.4
35°	595.0
37.5°	341.3
40°	190.9
42.5°	100.7
45°	47.1
47.5°	27.5
50°	23.5
52.5°	20.9
55°	19.6
57.5°	18.3
60°	15.7
62.5°	14.4
65°	13.1
67.5°	11.8
70°	10.5
72.5°	10.5
75°	9.2
77.5°	9.2
80°	7.8
82.5°	7.8
85°	6.5
87.5°	3.9
90°	0.0

(END OF REPORT)