

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: P364863

Luminaire Tested: **FLD6BX40D010-FEU6B35-8040-F6LBXVM1-LI-BTR84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364863
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-FEU6B35-8040-F6LBXVM1-LI-BTR84
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.125", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3211.0 lumens
Efficiency: N/A
Efficacy: 79.1 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

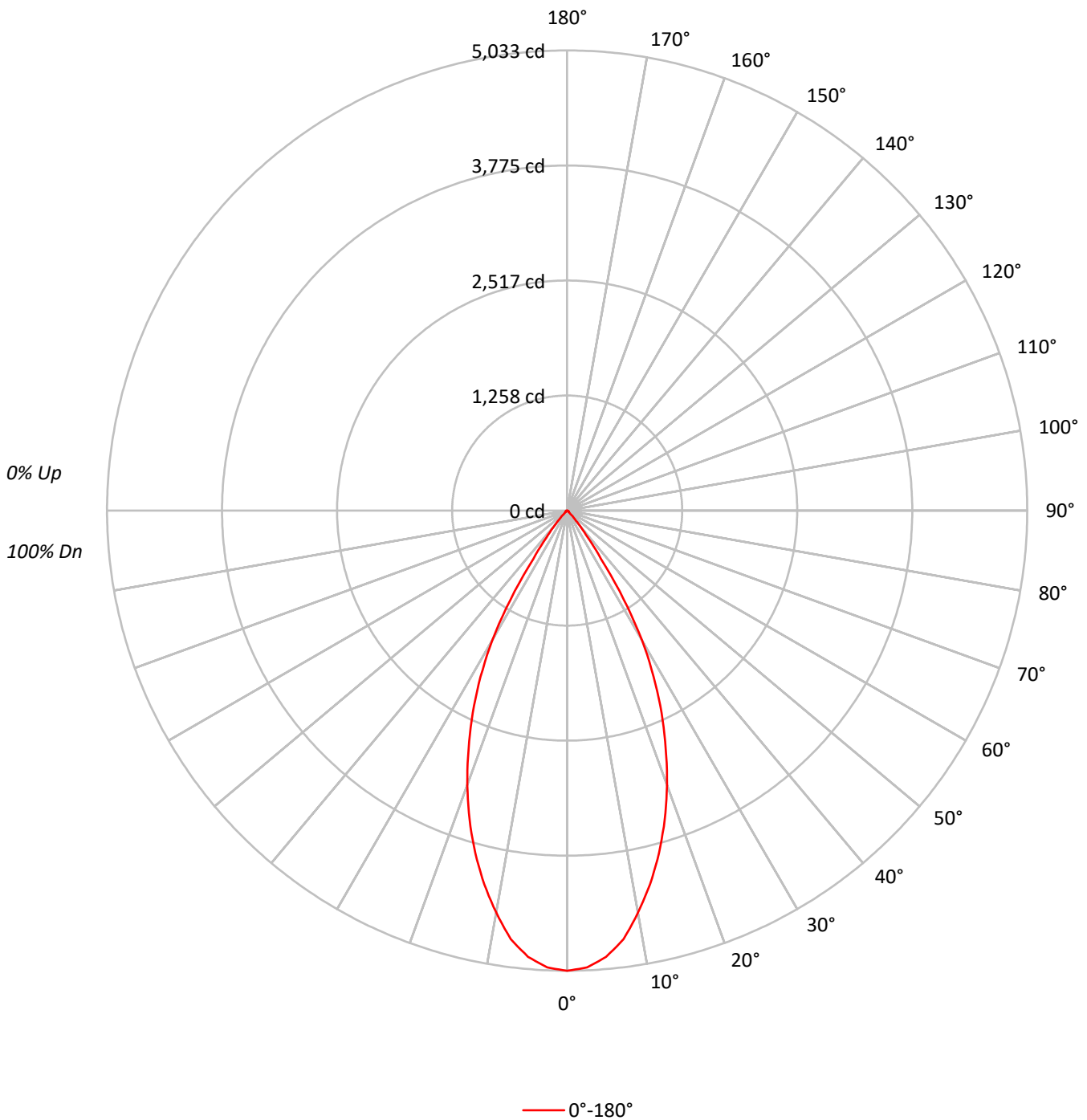
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	360394
5°	352182
10°	324671
15°	287564
20°	243457
25°	192880
30°	135543
35°	56449
40°	19367
45°	5174
50°	2841
55°	2659
60°	2434
65°	2406
70°	2387
75°	2739
80°	3505
85°	5833



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	454.1	14.1
10°-20°	1076.2	33.5
20°-30°	1104.8	34.4
30°-40°	467.8	14.6
40°-50°	57.5	1.8
50°-60°	19.0	0.6
60°-70°	14.1	0.4
70°-80°	10.9	0.3
80°-90°	6.6	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°	2635.1	82.1
0°-40°	3102.9	96.6
0°-60°	3179.5	99.0
0°-90°	3211.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3211.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5033	
5°	4900	454
15°	3879	1076
25°	2441	1105
35°	646	468
45°	51	58
55°	21	19
65°	14	14
75°	10	11
85°	7	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5033.3
2.5°	5000.7
5°	4899.9
7.5°	4726.7
10°	4465.5
12.5°	4187.3
15°	3879.3
17.5°	3548.6
20°	3195.1
22.5°	2819.0
25°	2441.4
27.5°	2051.1
30°	1639.4
32.5°	1155.4
35°	645.8
37.5°	370.5
40°	207.2
42.5°	109.3
45°	51.1
47.5°	29.8
50°	25.5
52.5°	22.7
55°	21.3
57.5°	19.9
60°	17.0
62.5°	15.6
65°	14.2
67.5°	12.8
70°	11.4
72.5°	11.4
75°	9.9
77.5°	9.9
80°	8.5
82.5°	8.5
85°	7.1
87.5°	4.3
90°	0.0

(END OF REPORT)