

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: P364845

Luminaire Tested: **FLD6BX40D010-FEU6B35-8035-F6LBXVM1-LI-BTR84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364845
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-FEU6B35-8035-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: 3176.9 lumens
Efficiency: N/A
Efficacy: 78.2 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

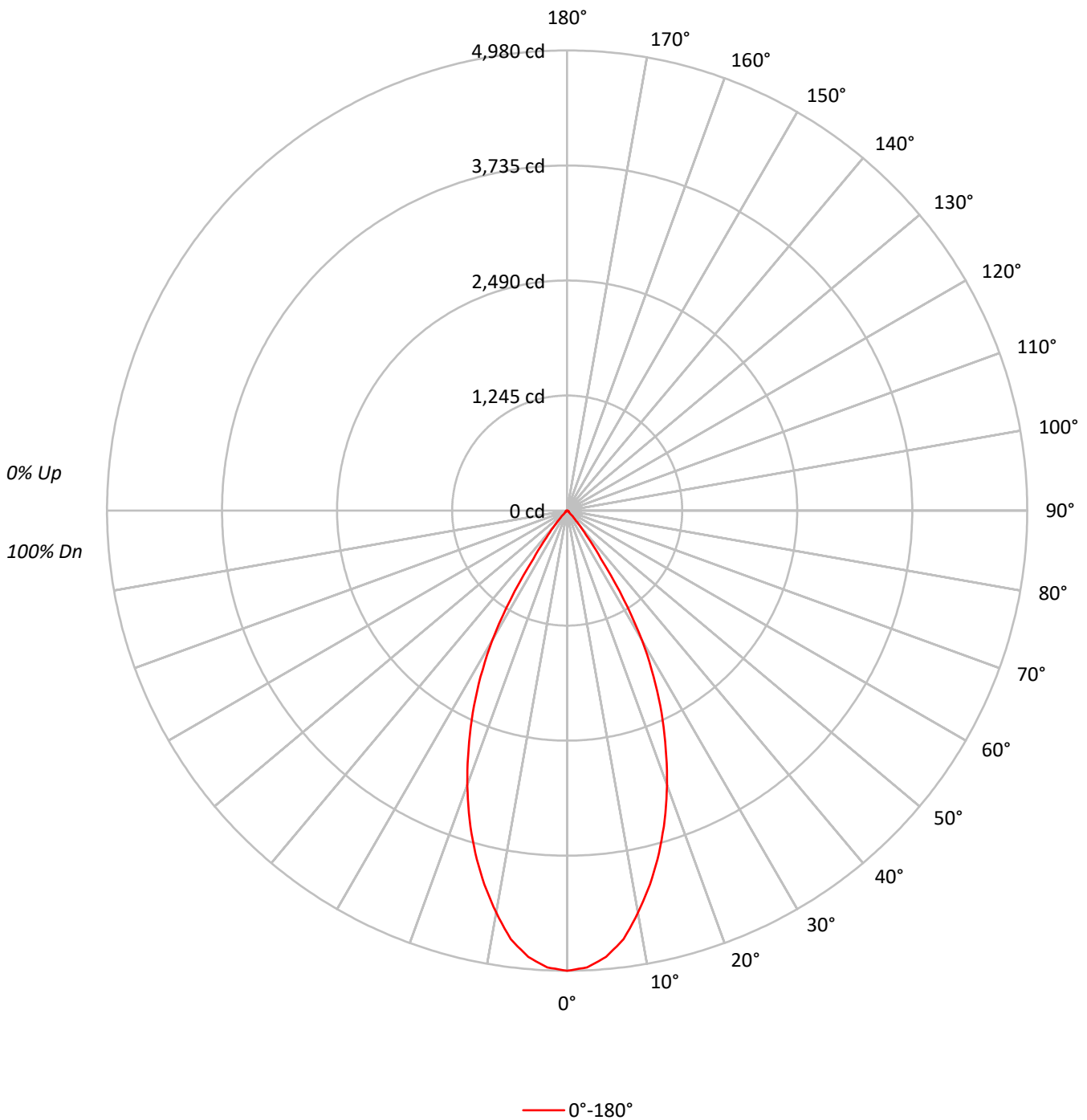
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	356577
5°	348452
10°	321239
15°	284517
20°	240882
25°	190842
30°	134113
35°	55855
40°	19161
45°	5124
50°	2818
55°	2634
60°	2420
65°	2372
70°	2345
75°	2711
80°	3464
85°	5751



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	449.3	14.1
10°-20°	1064.8	33.5
20°-30°	1093.1	34.4
30°-40°	462.9	14.6
40°-50°	56.9	1.8
50°-60°	18.9	0.6
60°-70°	13.9	0.4
70°-80°	10.7	0.3
80°-90°	6.5	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°	2607.2	82.1
0°-40°	3070.1	96.6
0°-60°	3145.9	99.0
0°-90°	3176.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3176.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4980	
5°	4848	449
15°	3838	1065
25°	2416	1093
35°	639	463
45°	51	57
55°	21	19
65°	14	14
75°	10	11
85°	7	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4980.0
2.5°	4947.7
5°	4848.0
7.5°	4676.7
10°	4418.3
12.5°	4143.0
15°	3838.2
17.5°	3511.0
20°	3161.3
22.5°	2789.1
25°	2415.6
27.5°	2029.4
30°	1622.1
32.5°	1143.2
35°	639.0
37.5°	366.5
40°	205.0
42.5°	108.1
45°	50.6
47.5°	29.5
50°	25.3
52.5°	22.5
55°	21.1
57.5°	19.7
60°	16.9
62.5°	15.4
65°	14.0
67.5°	12.6
70°	11.2
72.5°	11.2
75°	9.8
77.5°	9.8
80°	8.4
82.5°	8.4
85°	7.0
87.5°	4.2
90°	0.0

(END OF REPORT)