

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: P364830

Luminaire Tested: **FLD6BX40D010-FEU6B35-8030-F6LBXVM1-LI-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364830
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-FEU6B35-8030-F6LBXVM1-LI-BTR87
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3049.0 lumens
Efficiency: N/A
Efficacy: 75.1 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

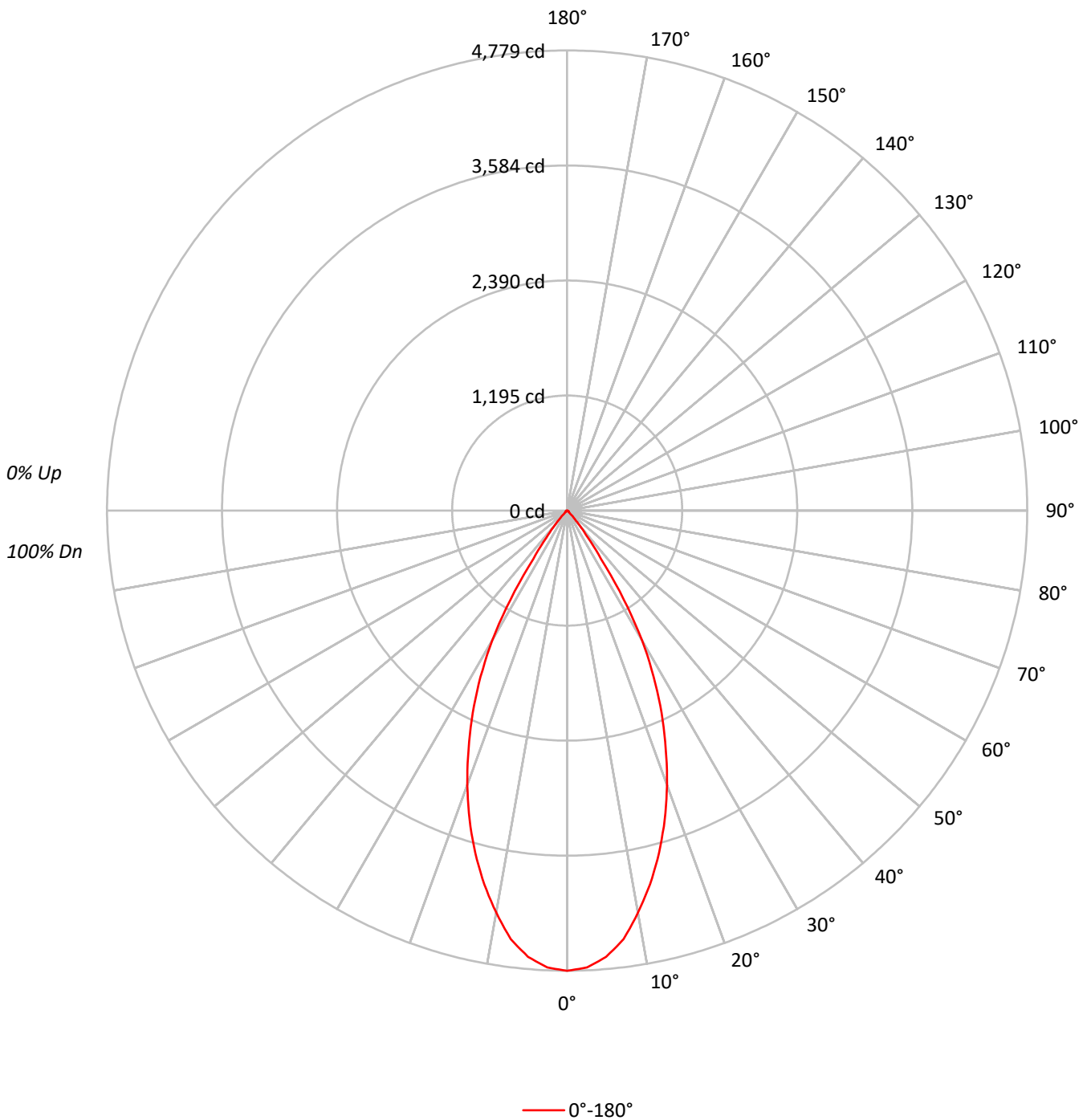
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	342214
5°	334414
10°	308290
15°	273057
20°	231174
25°	183155
30°	128706
35°	53608
40°	18395
45°	4911
50°	2707
55°	2522
60°	2320
65°	2287
70°	2261
75°	2600
80°	3340
85°	5504



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	431.2	14.1
10°-20°	1021.9	33.5
20°-30°	1049.1	34.4
30°-40°	444.2	14.6
40°-50°	54.6	1.8
50°-60°	18.1	0.6
60°-70°	13.3	0.4
70°-80°	10.3	0.3
80°-90°	6.2	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°	2502.2	82.1
0°-40°	2946.4	96.6
0°-60°	3019.1	99.0
0°-90°	3049.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3049.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4779	
5°	4653	431
15°	3684	1022
25°	2318	1049
35°	613	444
45°	48	55
55°	20	18
65°	14	13
75°	9	10
85°	7	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4779.4
2.5°	4748.4
5°	4652.7
7.5°	4488.2
10°	4240.2
12.5°	3976.1
15°	3683.6
17.5°	3369.6
20°	3033.9
22.5°	2676.8
25°	2318.3
27.5°	1947.6
30°	1556.7
32.5°	1097.1
35°	613.3
37.5°	351.8
40°	196.8
42.5°	103.8
45°	48.5
47.5°	28.3
50°	24.3
52.5°	21.6
55°	20.2
57.5°	18.9
60°	16.2
62.5°	14.8
65°	13.5
67.5°	12.1
70°	10.8
72.5°	10.8
75°	9.4
77.5°	9.4
80°	8.1
82.5°	8.1
85°	6.7
87.5°	4.0
90°	0.0

(END OF REPORT)