

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: P364860

Luminaire Tested: **FLD6BX40D010-FEU6B35-8040-F6LBXVM1-LI-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364860
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-23)
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-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3287.0 lumens
Efficiency: N/A
Efficacy: 81.0 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.87
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

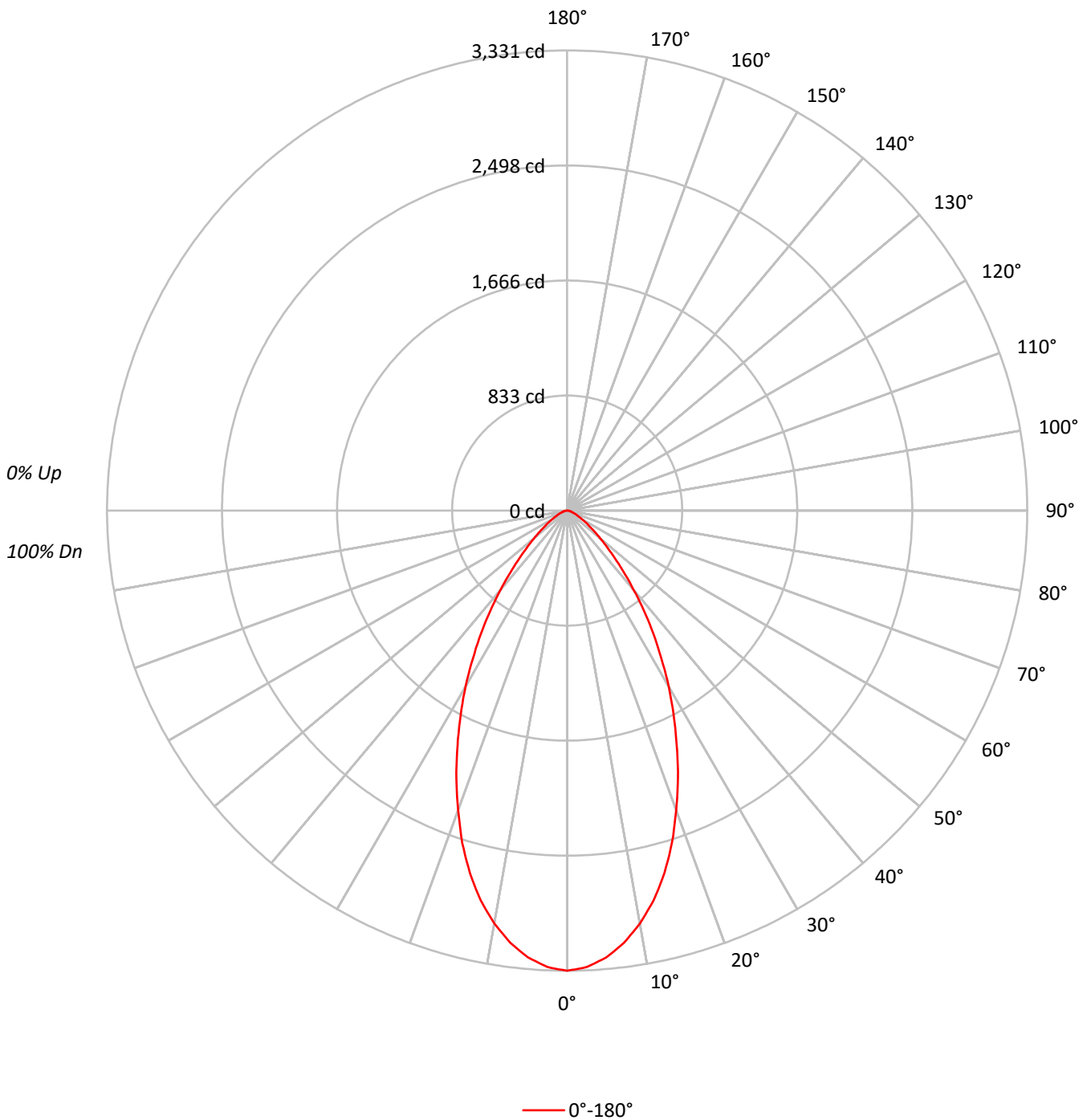
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	109	106	104	110	107	105	102	103	101	99		99	98	96		96	95	93	91
2	106	100	96	92	104	99	94	91	95	92	89		92	89	87		89	87	85	83
3	100	92	87	82	98	91	86	81	88	84	80		86	82	79		83	80	78	76
4	94	85	79	74	92	84	78	74	82	77	73		80	75	72		78	74	71	69
5	88	79	72	67	87	78	72	67	76	71	67		74	70	66		73	69	65	64
6	83	73	67	62	82	73	66	62	71	65	61		69	65	61		68	64	60	59
7	79	68	62	57	77	68	61	57	66	61	57		65	60	56		64	59	56	54
8	75	64	57	53	73	63	57	53	62	57	52		61	56	52		60	55	52	50
9	71	60	54	49	69	60	53	49	59	53	49		58	52	49		57	52	49	47
10	67	57	50	46	66	56	50	46	55	50	46		54	49	46		54	49	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	238506
5°	233394
10°	220613
15°	201464
20°	175733
25°	148346
30°	121562
35°	95023
40°	70046
45°	49294
50°	34777
55°	24630
60°	17485
65°	12978
70°	10112
75°	8244
80°	7628
85°	8133



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.2	9.2
10°-20°	754.9	23.0
20°-30°	860.1	26.2
30°-40°	678.8	20.7
40°-50°	385.8	11.7
50°-60°	182.1	5.5
60°-70°	78.8	2.4
70°-80°	32.7	1.0
80°-90°	10.6	0.3
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°	1918.2	58.4
0°-40°	2597.0	79.0
0°-60°	3164.9	96.3
0°-90°	3287.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3287.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3331	
5°	3247	303
15°	2718	755
25°	1878	860
35°	1087	679
45°	487	386
55°	197	182
65°	77	79
75°	30	33
85°	10	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3331.0
2.5°	3306.8
5°	3247.2
7.5°	3155.0
10°	3034.3
12.5°	2889.6
15°	2717.8
17.5°	2523.4
20°	2306.3
22.5°	2096.2
25°	1877.7
27.5°	1669.0
30°	1470.3
32.5°	1268.8
35°	1087.1
37.5°	912.6
40°	749.4
42.5°	610.3
45°	486.8
47.5°	388.9
50°	312.2
52.5°	248.4
55°	197.3
57.5°	156.1
60°	122.1
62.5°	96.5
65°	76.6
67.5°	61.0
70°	48.3
72.5°	38.3
75°	29.8
77.5°	22.7
80°	18.5
82.5°	14.2
85°	9.9
87.5°	5.7
90°	0.0

(END OF REPORT)