

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: P364811

Luminaire Tested: **FLD6BX40D010-FEU6B35-8027-F6LBXVM1-LI-BTR86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364811
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-BTR86
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2865.0 lumens
Efficiency: N/A
Efficacy: 70.6 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

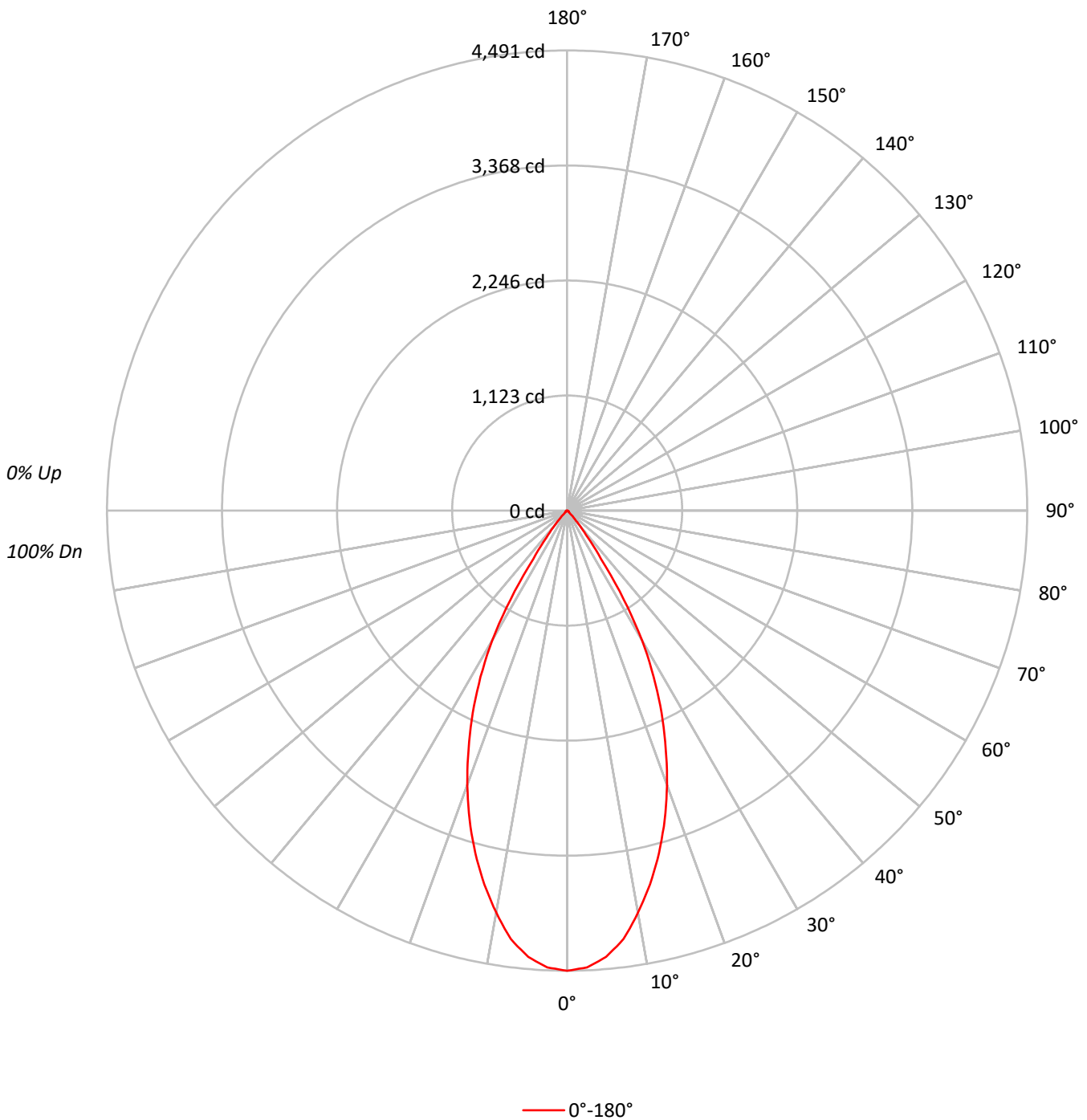
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	321557
5°	314232
10°	289691
15°	256578
20°	217230
25°	172102
30°	120942
35°	50365
40°	17283
45°	4617
50°	2540
55°	2372
60°	2177
65°	2152
70°	2114
75°	2462
80°	3134
85°	5176



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	405.1	14.1
10°-20°	960.2	33.5
20°-30°	985.8	34.4
30°-40°	417.4	14.6
40°-50°	51.3	1.8
50°-60°	17.0	0.6
60°-70°	12.5	0.4
70°-80°	9.7	0.3
80°-90°	5.9	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°	2351.2	82.1
0°-40°	2768.6	96.6
0°-60°	2836.9	99.0
0°-90°	2865.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2865.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4491	
5°	4372	405
15°	3461	960
25°	2178	986
35°	576	417
45°	46	51
55°	19	17
65°	13	13
75°	9	10
85°	6	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4490.9
2.5°	4461.8
5°	4371.9
7.5°	4217.4
10°	3984.4
12.5°	3736.1
15°	3461.3
17.5°	3166.2
20°	2850.9
22.5°	2515.2
25°	2178.4
27.5°	1830.1
30°	1462.8
32.5°	1030.9
35°	576.2
37.5°	330.6
40°	184.9
42.5°	97.5
45°	45.6
47.5°	26.6
50°	22.8
52.5°	20.3
55°	19.0
57.5°	17.7
60°	15.2
62.5°	13.9
65°	12.7
67.5°	11.4
70°	10.1
72.5°	10.1
75°	8.9
77.5°	8.9
80°	7.6
82.5°	7.6
85°	6.3
87.5°	3.8
90°	0.0

(END OF REPORT)