

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: P364813

Luminaire Tested: **FLD6BX40D010-FEU6B35-8027-F6LBXVM1-LI-BTR89BI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364813
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-22)
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-BTR89BI
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2888.0 lumens
Efficiency: N/A
Efficacy: 71.1 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

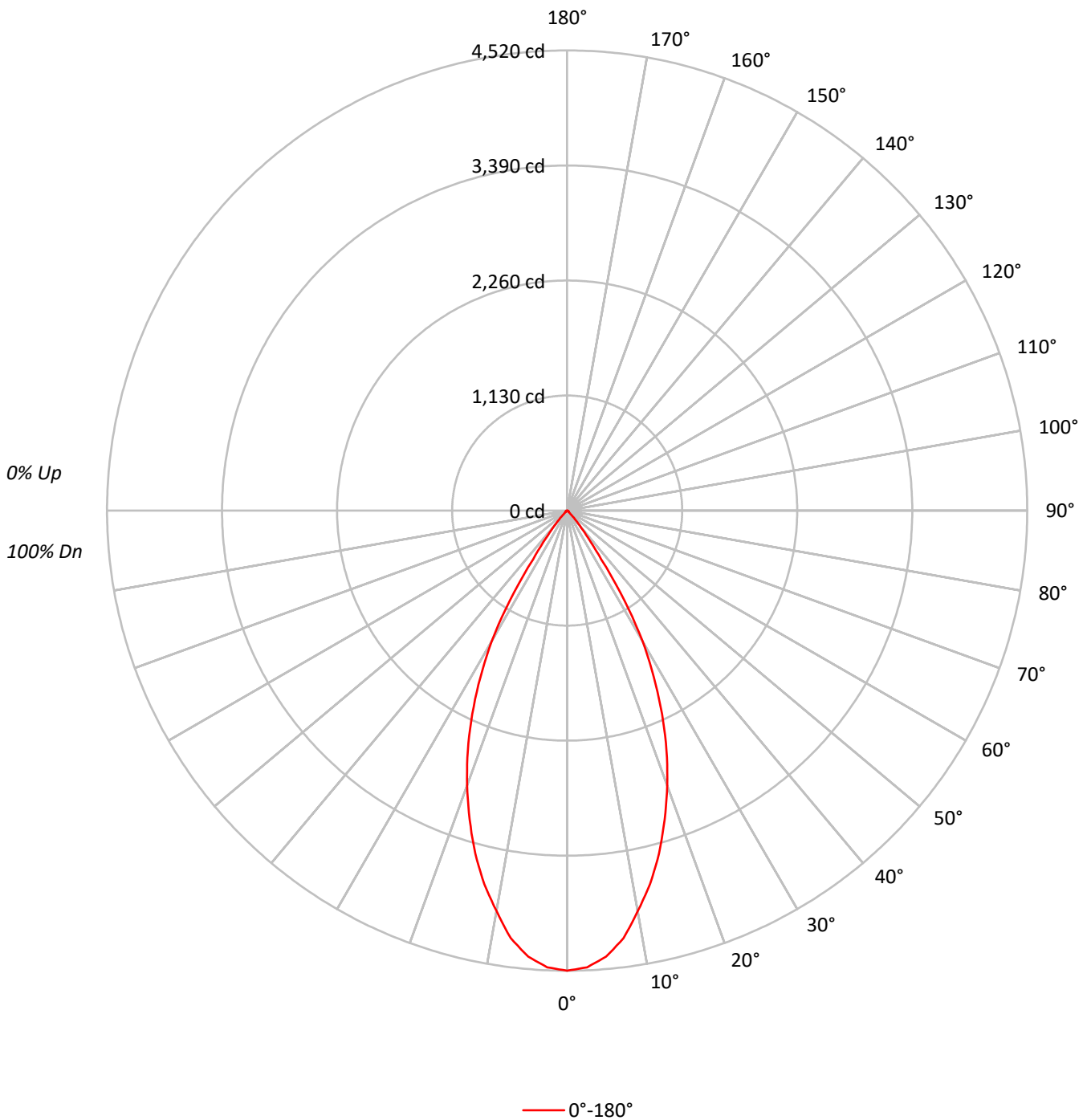
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	79
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°	323605
5°	316086
10°	290520
15°	258557
20°	219006
25°	174148
30°	122439
35°	51100
40°	17647
45°	4567
50°	2306
55°	2135
60°	2091
65°	2067
70°	2031
75°	2683
80°	3010
85°	5011



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	407.1	14.1
10°-20°	966.2	33.5
20°-30°	997.0	34.5
30°-40°	424.1	14.7
40°-50°	50.9	1.8
50°-60°	15.4	0.5
60°-70°	12.1	0.4
70°-80°	9.6	0.3
80°-90°	5.7	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°	2370.3	82.1
0°-40°	2794.4	96.8
0°-60°	2860.7	99.1
0°-90°	2888.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2888.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4520	
5°	4398	407
15°	3488	966
25°	2204	997
35°	585	424
45°	45	51
55°	17	15
65°	12	12
75°	10	10
85°	6	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4519.5
2.5°	4490.3
5°	4397.7
7.5°	4236.9
10°	3995.8
12.5°	3758.3
15°	3488.0
17.5°	3183.5
20°	2874.2
22.5°	2551.4
25°	2204.3
27.5°	1846.3
30°	1480.9
32.5°	1049.8
35°	584.6
37.5°	336.1
40°	188.8
42.5°	97.4
45°	45.1
47.5°	24.4
50°	20.7
52.5°	18.3
55°	17.1
57.5°	15.8
60°	14.6
62.5°	13.4
65°	12.2
67.5°	11.0
70°	9.7
72.5°	9.7
75°	9.7
77.5°	8.5
80°	7.3
82.5°	7.3
85°	6.1
87.5°	3.7
90°	0.0

(END OF REPORT)