

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: P364882

Luminaire Tested: **FLD6BX40D010-FEU6B35-8050-F6LBXVM1-LI-BTR85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364882
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-FEU6B35-8050-F6LBXVM1-LI-BTR85
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3264.0 lumens
Efficiency: N/A
Efficacy: 80.4 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

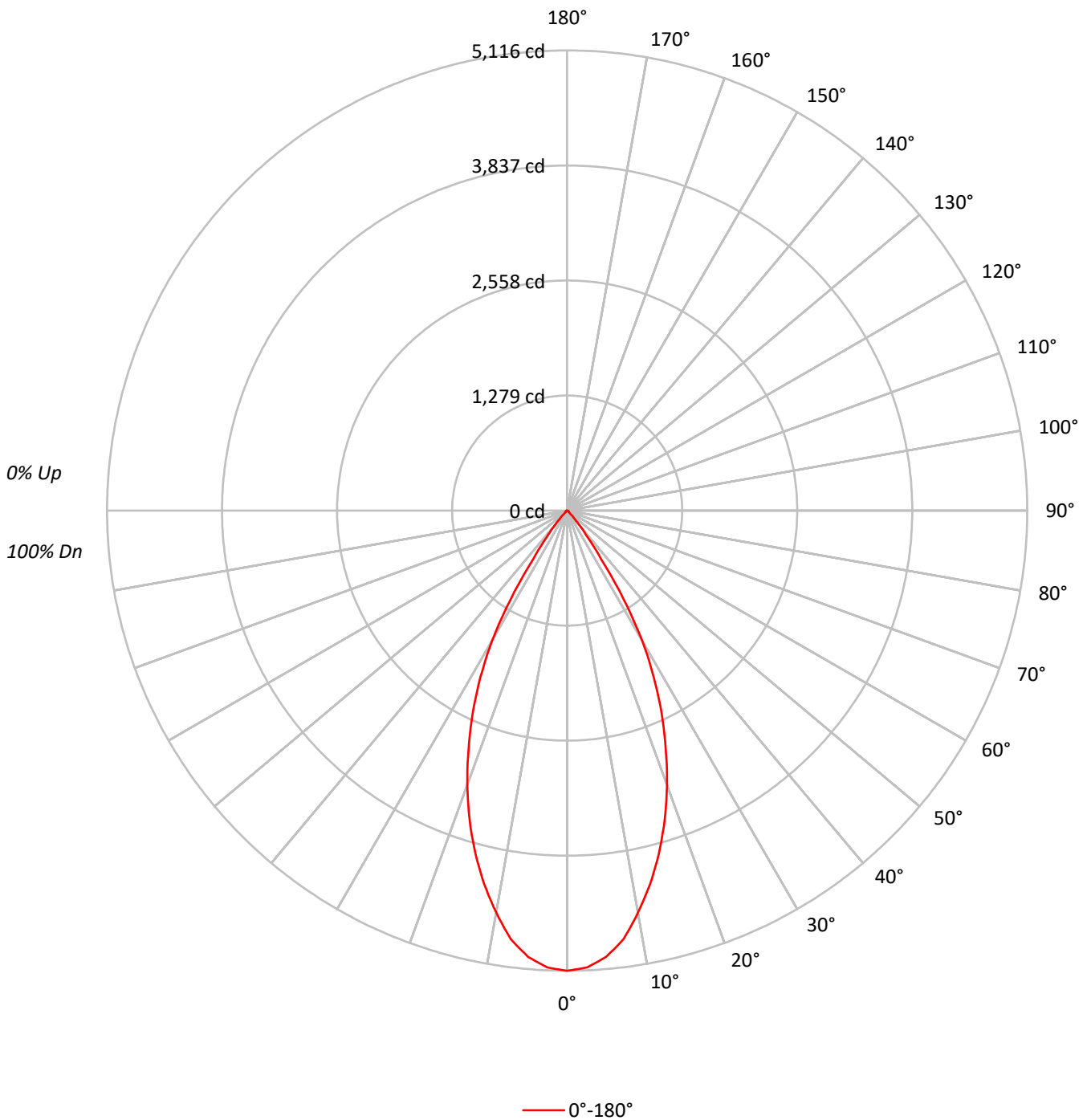
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	366344
5°	357997
10°	330029
15°	292308
20°	247481
25°	196064
30°	137784
35°	57384
40°	19694
45°	5255
50°	2896
55°	2696
60°	2477
65°	2440
70°	2408
75°	2794
80°	3587
85°	5915



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	461.6	14.1
10°-20°	1094.0	33.5
20°-30°	1123.0	34.4
30°-40°	475.6	14.6
40°-50°	58.5	1.8
50°-60°	19.3	0.6
60°-70°	14.3	0.4
70°-80°	11.0	0.3
80°-90°	6.7	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°	2678.6	82.1
0°-40°	3154.1	96.6
0°-60°	3232.0	99.0
0°-90°	3264.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3264.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5116	
5°	4981	462
15°	3943	1094
25°	2482	1123
35°	656	476
45°	52	58
55°	22	19
65°	14	14
75°	10	11
85°	7	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5116.4
2.5°	5083.2
5°	4980.8
7.5°	4804.7
10°	4539.2
12.5°	4256.4
15°	3943.3
17.5°	3607.2
20°	3247.9
22.5°	2865.5
25°	2481.7
27.5°	2084.9
30°	1666.5
32.5°	1174.5
35°	656.5
37.5°	376.6
40°	210.7
42.5°	111.1
45°	51.9
47.5°	30.3
50°	26.0
52.5°	23.1
55°	21.6
57.5°	20.2
60°	17.3
62.5°	15.9
65°	14.4
67.5°	13.0
70°	11.5
72.5°	11.5
75°	10.1
77.5°	10.1
80°	8.7
82.5°	8.7
85°	7.2
87.5°	4.3
90°	0.0

(END OF REPORT)