

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: P366269

Luminaire Tested: **FLD6BX40D010-FEU6B35-8030-F6LBXVM1-WMH-BTR86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366269
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-30)
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-WMH-BTR86
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2949.0 lumens
Efficiency: N/A
Efficacy: 72.6 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.8
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

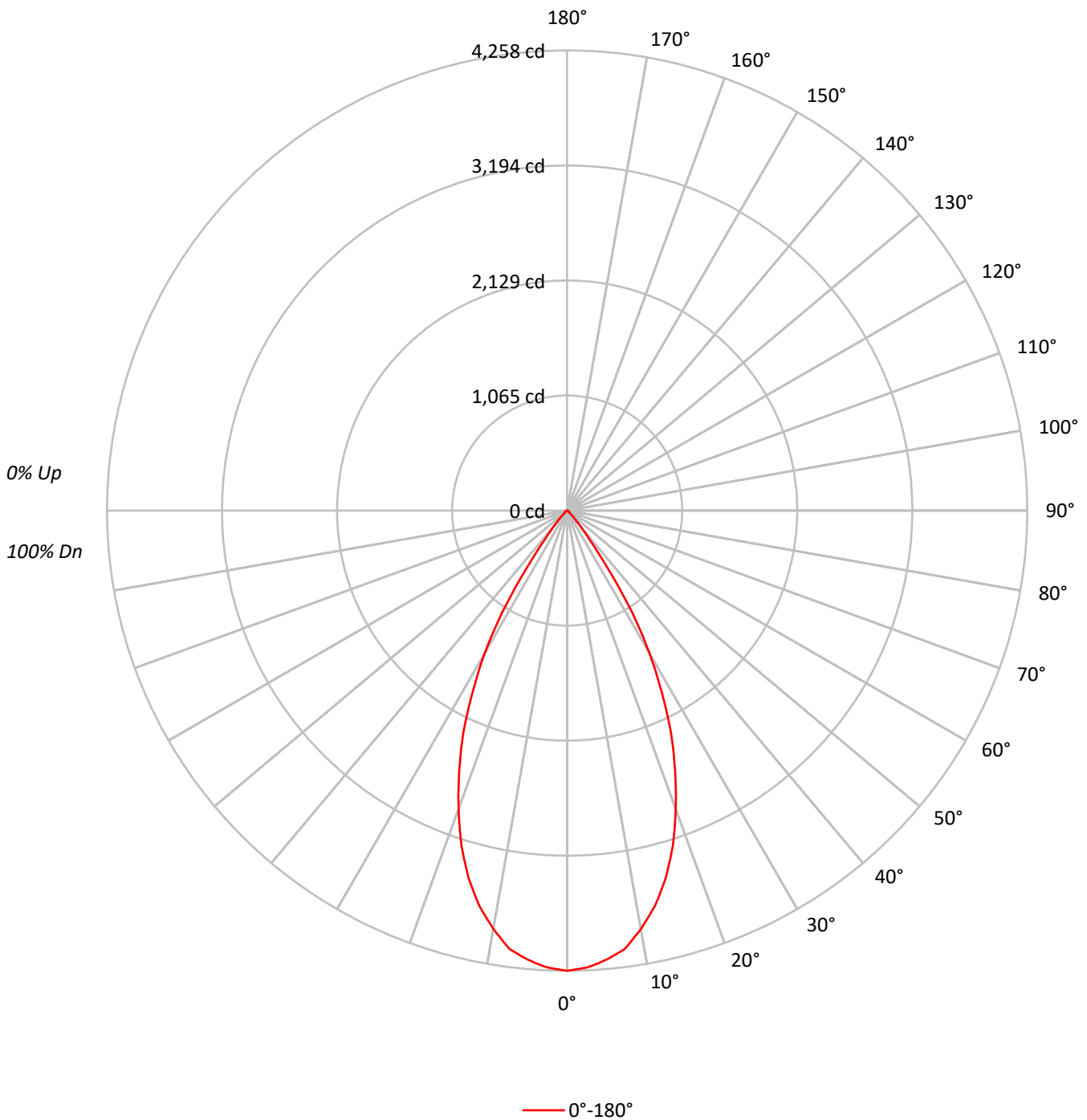
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	102	99	96	99	96	94	96	94	92	93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	84	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	80	78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	74	71	69
7	86	78	72	68	85	77	72	68	76	71	68	75	70	67	73	70	67	66
8	82	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62
9	79	70	64	61	78	69	64	61	69	64	60	68	63	60	67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	304895
5°	299878
10°	285729
15°	261093
20°	223905
25°	179655
30°	125961
35°	58197
40°	18685
45°	6035
50°	2796
55°	2484
60°	2463
65°	2236
70°	2219
75°	2573
80°	3257
85°	5422



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	391.3	13.3
10°-20°	974.7	33.1
20°-30°	1023.6	34.7
30°-40°	454.2	15.4
40°-50°	58.7	2.0
50°-60°	18.3	0.6
60°-70°	12.9	0.4
70°-80°	9.4	0.3
80°-90°	5.8	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°	2389.6	81.0
0°-40°	2843.8	96.4
0°-60°	2920.8	99.0
0°-90°	2949.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2949.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4258	
5°	4172	391
15°	3522	975
25°	2274	1024
35°	666	454
45°	60	59
55°	20	18
65°	13	13
75°	9	9
85°	7	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4258.2
2.5°	4231.7
5°	4172.2
7.5°	4091.4
10°	3929.9
12.5°	3748.6
15°	3522.2
17.5°	3250.9
20°	2938.5
22.5°	2610.2
25°	2274.0
27.5°	1896.8
30°	1523.5
32.5°	1119.8
35°	665.8
37.5°	354.7
40°	199.9
42.5°	109.9
45°	59.6
47.5°	30.4
50°	25.1
52.5°	22.5
55°	19.9
57.5°	18.5
60°	17.2
62.5°	14.6
65°	13.2
67.5°	10.6
70°	10.6
72.5°	9.3
75°	9.3
77.5°	7.9
80°	7.9
82.5°	6.6
85°	6.6
87.5°	4.0
90°	0.0

(END OF REPORT)