

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: P366324

Luminaire Tested: **FLD6BX40D010-FEU6B35-8050-F6LBXVM1-WMH-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366324
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-FEU6B35-8050-F6LBXVM1-WMH-BTR87
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3170.0 lumens
Efficiency: N/A
Efficacy: 78.1 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

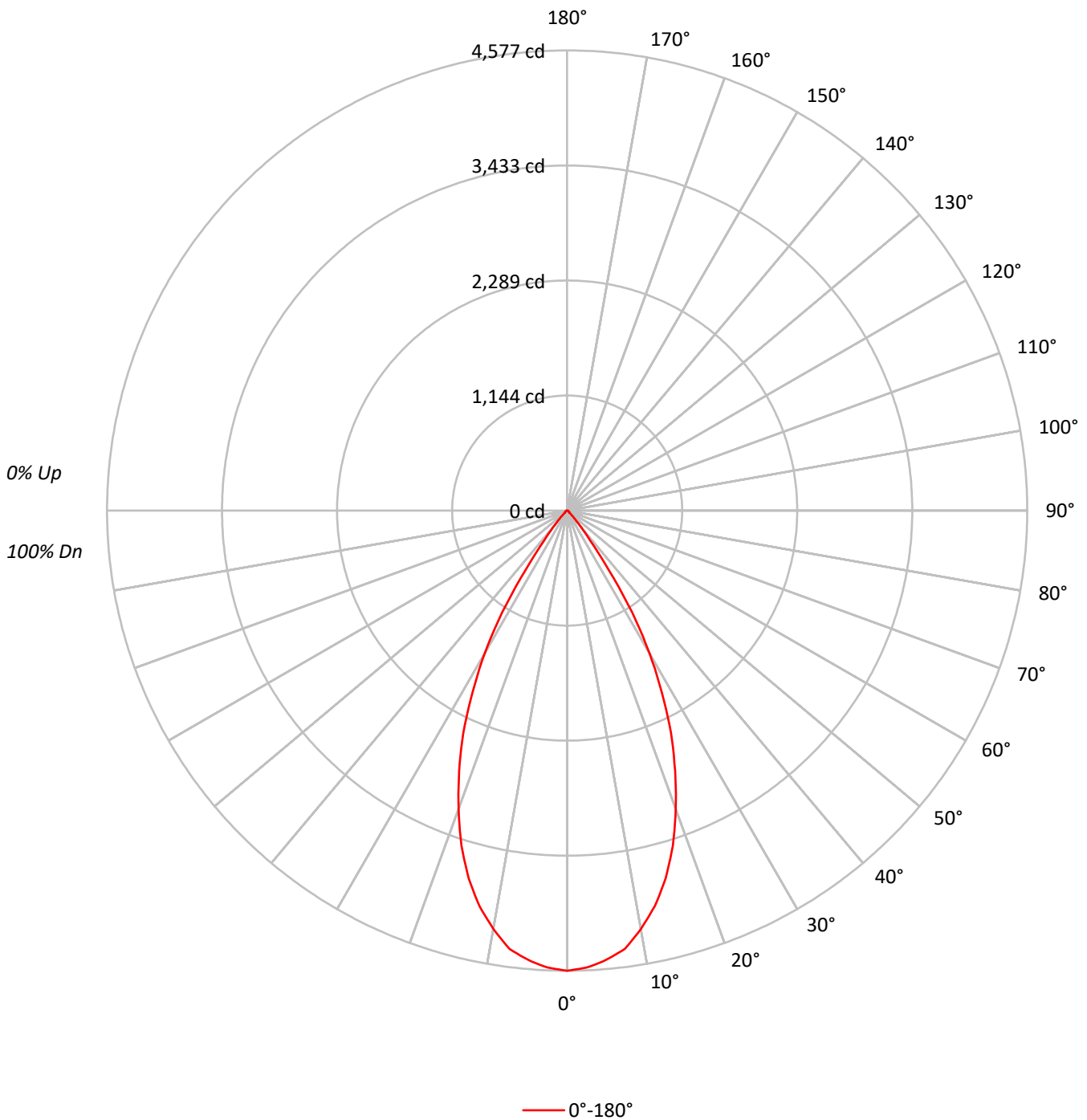
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	327743
5°	322347
10°	307141
15°	280662
20°	240684
25°	193125
30°	135403
35°	62559
40°	20087
45°	6481
50°	3008
55°	2659
60°	2649
65°	2406
70°	2387
75°	2766
80°	3505
85°	5833



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	420.6	13.3
10°-20°	1047.7	33.1
20°-30°	1100.3	34.7
30°-40°	488.3	15.4
40°-50°	63.1	2.0
50°-60°	19.7	0.6
60°-70°	13.9	0.4
70°-80°	10.2	0.3
80°-90°	6.2	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°	2568.7	81.0
0°-40°	3056.9	96.4
0°-60°	3139.7	99.0
0°-90°	3170.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3170.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4577	
5°	4485	421
15°	3786	1048
25°	2444	1100
35°	716	488
45°	64	63
55°	21	20
65°	14	14
75°	10	10
85°	7	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4577.3
2.5°	4548.9
5°	4484.8
7.5°	4398.0
10°	4224.4
12.5°	4029.5
15°	3786.2
17.5°	3494.5
20°	3158.7
22.5°	2805.9
25°	2444.5
27.5°	2038.9
30°	1637.7
32.5°	1203.7
35°	715.7
37.5°	381.3
40°	214.9
42.5°	118.1
45°	64.0
47.5°	32.7
50°	27.0
52.5°	24.2
55°	21.3
57.5°	19.9
60°	18.5
62.5°	15.7
65°	14.2
67.5°	11.4
70°	11.4
72.5°	10.0
75°	10.0
77.5°	8.5
80°	8.5
82.5°	7.1
85°	7.1
87.5°	4.3
90°	0.0

(END OF REPORT)