

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: P366244

Luminaire Tested: **FLD6BX40D010-FEU6B35-8027-F6LBXVM1-WMH-BL89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366244
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-45)
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-WMH-BL89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS ACRYLIC, CLEAR 0.125", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3613.0 lumens
Efficiency: N/A
Efficacy: 89.0 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

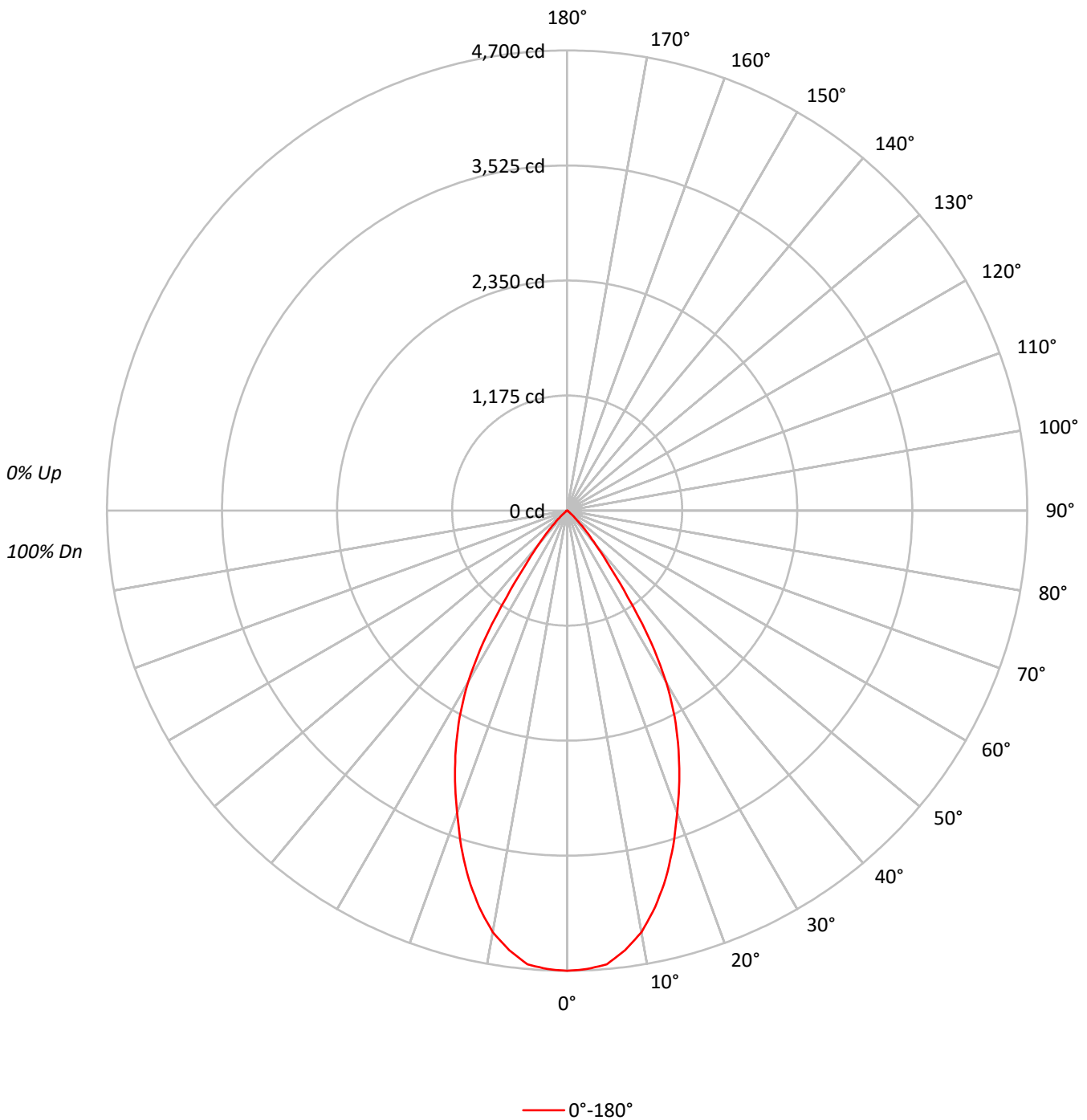
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	104	100	97	106	102	99	96	99	96	93		96	94	91		93	91	90	88
3	103	97	92	89	101	96	91	88	93	89	86		91	88	85		88	86	84	82
4	98	91	86	82	97	90	85	81	88	84	80		86	82	79		84	81	78	77
5	94	86	80	76	92	85	79	76	83	78	75		81	77	74		80	76	74	72
6	89	81	75	71	88	80	74	71	78	74	70		77	73	70		76	72	69	68
7	85	76	70	66	84	75	70	66	74	69	66		73	69	65		72	68	65	64
8	81	72	66	62	80	71	66	62	70	65	62		69	65	62		68	64	61	60
9	77	68	62	59	76	68	62	58	67	62	58		66	61	58		65	61	58	57
10	74	65	59	55	73	64	59	55	63	58	55		63	58	55		62	58	55	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	128393
5°	127548
10°	121276
15°	110050
20°	95466
25°	81155
30°	63864
35°	35977
40°	16160
45°	6718
50°	2014
55°	567
60°	361
65°	259
70°	208
75°	274
80°	204
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	434.4	12.0
10°-20°	1080.1	29.9
20°-30°	1223.1	33.9
30°-40°	701.2	19.4
40°-50°	152.4	4.2
50°-60°	14.9	0.4
60°-70°	4.4	0.1
70°-80°	2.2	0.1
80°-90°	0.2	0.0
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°	2737.6	75.8
0°-40°	3438.9	95.2
0°-60°	3606.2	99.8
0°-90°	3613.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3613.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4700	
5°	4652	434
15°	3892	1080
25°	2693	1223
35°	1079	701
45°	174	152
55°	12	15
65°	4	4
75°	3	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4700.4
2.5°	4687.3
5°	4651.7
7.5°	4529.2
10°	4372.4
12.5°	4148.4
15°	3891.6
17.5°	3596.5
20°	3284.2
22.5°	2991.8
25°	2692.7
27.5°	2376.6
30°	2024.8
32.5°	1595.4
35°	1078.9
37.5°	682.4
40°	453.2
42.5°	289.8
45°	173.9
47.5°	94.9
50°	47.4
52.5°	19.8
55°	11.9
57.5°	9.2
60°	6.6
62.5°	5.3
65°	4.0
67.5°	4.0
70°	2.6
72.5°	2.6
75°	2.6
77.5°	1.3
80°	1.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)