

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: P366325

Luminaire Tested: **FLD6BX40D010-FEU6B35-8050-F6LBXVM1-WMH-BTR89BI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366325
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-28)
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-BTR89BI
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3126.0 lumens
Efficiency: N/A
Efficacy: 77.0 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

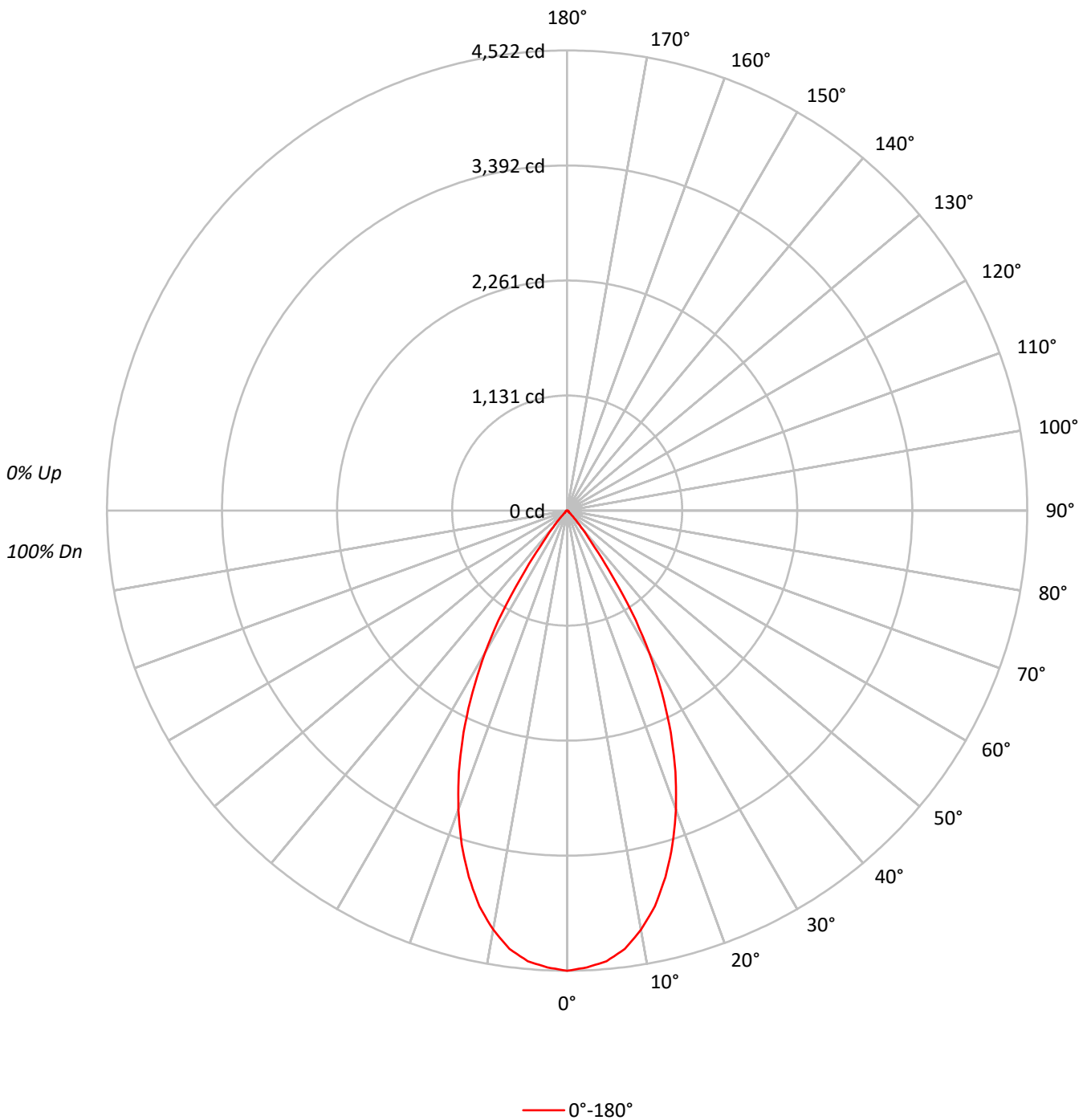
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	85	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		74	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	65	61	78	70	64	61	69	64	61		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°	323805
5°	319436
10°	304058
15°	276415
20°	238025
25°	190273
30°	133419
35°	62061
40°	19610
45°	6126
50°	2696
55°	2522
60°	2306
65°	2050
70°	2261
75°	2600
80°	3340
85°	5504



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	416.0	13.3
10°-20°	1033.9	33.1
20°-30°	1087.0	34.8
30°-40°	482.3	15.4
40°-50°	60.3	1.9
50°-60°	18.0	0.6
60°-70°	12.7	0.4
70°-80°	10.0	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°	2537.0	81.2
0°-40°	3019.2	96.6
0°-60°	3097.6	99.1
0°-90°	3126.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3126.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4522	
5°	4444	416
15°	3729	1034
25°	2408	1087
35°	710	482
45°	60	60
55°	20	18
65°	12	13
75°	9	10
85°	7	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4522.3
2.5°	4492.7
5°	4444.3
7.5°	4344.8
10°	4182.0
12.5°	3983.0
15°	3728.9
17.5°	3442.5
20°	3123.8
22.5°	2778.2
25°	2408.4
27.5°	2015.7
30°	1613.7
32.5°	1187.4
35°	710.0
37.5°	377.9
40°	209.8
42.5°	114.3
45°	60.5
47.5°	29.6
50°	24.2
52.5°	21.5
55°	20.2
57.5°	18.8
60°	16.1
62.5°	14.8
65°	12.1
67.5°	10.8
70°	10.8
72.5°	9.4
75°	9.4
77.5°	9.4
80°	8.1
82.5°	6.7
85°	6.7
87.5°	4.0
90°	0.0

(END OF REPORT)