

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: P364833

Luminaire Tested: **FLD6BX40D010-FEU6B35-8030-F6LBXVM1-LI-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364833
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-27)
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-LI-BTR94
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3182.0 lumens
Efficiency: N/A
Efficacy: 78.4 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

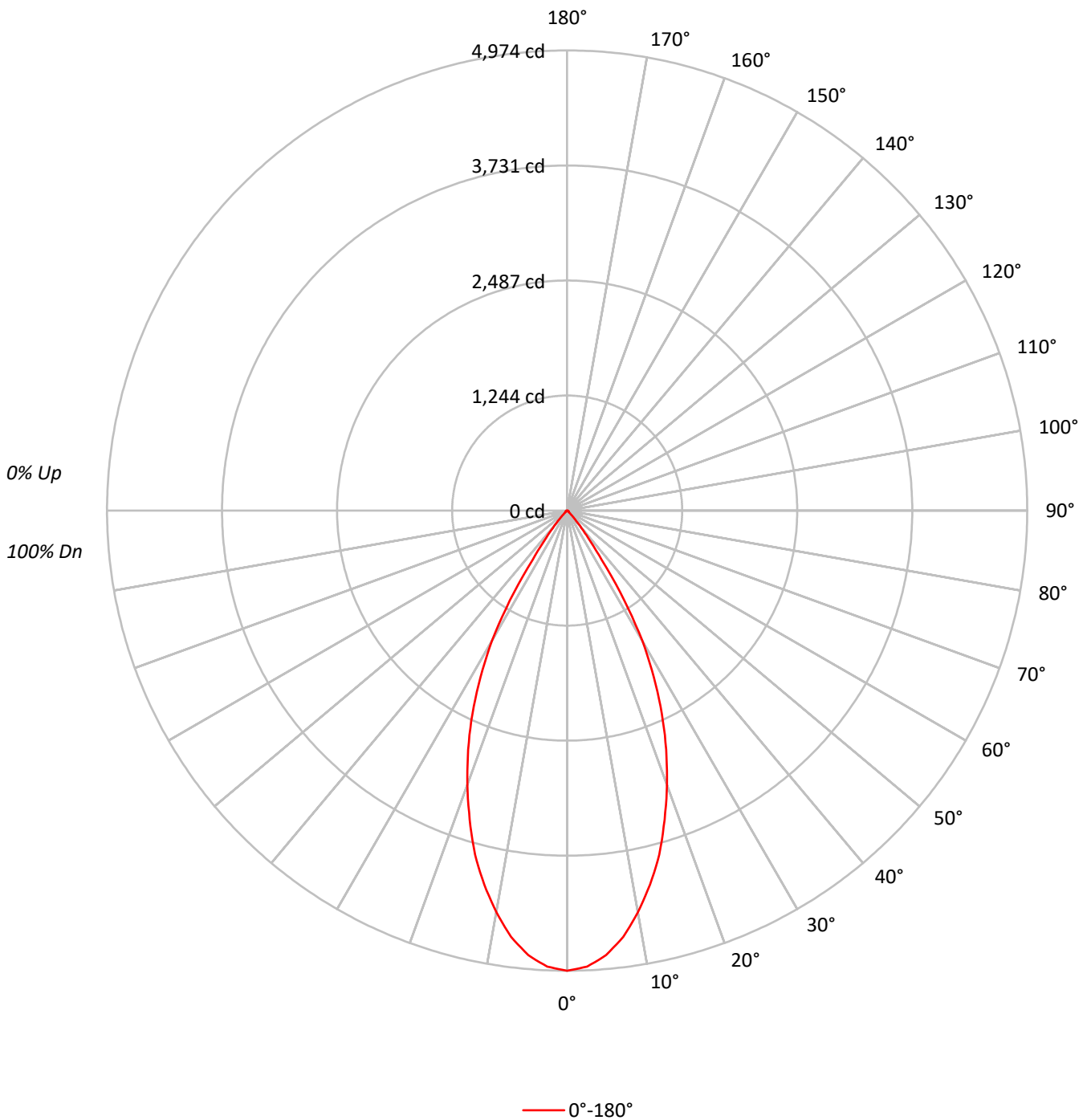
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	88
3	104	98	93	90	102	96	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		77	74	71	70
7	87	78	73	69	85	77	72	68	76	72	68		75	71	68		74	70	67	66
8	83	74	69	65	82	74	68	65	73	68	64		72	67	64		71	67	64	63
9	79	71	65	61	78	70	65	61	69	64	61		68	64	61		67	64	61	59
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°	356162
5°	346734
10°	320504
15°	285325
20°	240303
25°	191490
30°	134130
35°	56816
40°	19825
45°	5438
50°	2763
55°	2584
60°	2563
65°	2338
70°	2303
75°	3043
80°	3958
85°	5669



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	447.3	14.1
10°-20°	1064.1	33.4
20°-30°	1094.6	34.4
30°-40°	467.5	14.7
40°-50°	58.4	1.8
50°-60°	18.6	0.6
60°-70°	13.8	0.4
70°-80°	11.1	0.3
80°-90°	6.6	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°	2606.0	81.9
0°-40°	3073.5	96.6
0°-60°	3150.6	99.0
0°-90°	3182.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3182.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4974	
5°	4824	447
15°	3849	1064
25°	2424	1095
35°	650	468
45°	54	58
55°	21	19
65°	14	14
75°	11	11
85°	7	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4974.2
2.5°	4934.3
5°	4824.1
7.5°	4647.9
10°	4408.2
12.5°	4141.1
15°	3849.1
17.5°	3502.1
20°	3153.7
22.5°	2795.6
25°	2423.8
27.5°	2031.3
30°	1622.3
32.5°	1152.7
35°	650.0
37.5°	371.8
40°	212.1
42.5°	110.2
45°	53.7
47.5°	28.9
50°	24.8
52.5°	22.0
55°	20.7
57.5°	19.3
60°	17.9
62.5°	15.1
65°	13.8
67.5°	12.4
70°	11.0
72.5°	11.0
75°	11.0
77.5°	9.6
80°	9.6
82.5°	8.3
85°	6.9
87.5°	4.1
90°	0.0

(END OF REPORT)