

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: P364846

Luminaire Tested: **FLD6BX40D010-FEU6B35-8035-F6LBXVM1-LI-BTR85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364846
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-24)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX40D010-FEU6B35-8035-F6LBXVM1-LI-BTR85
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3154.1 lumens
Efficiency: N/A
Efficacy: 77.7 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

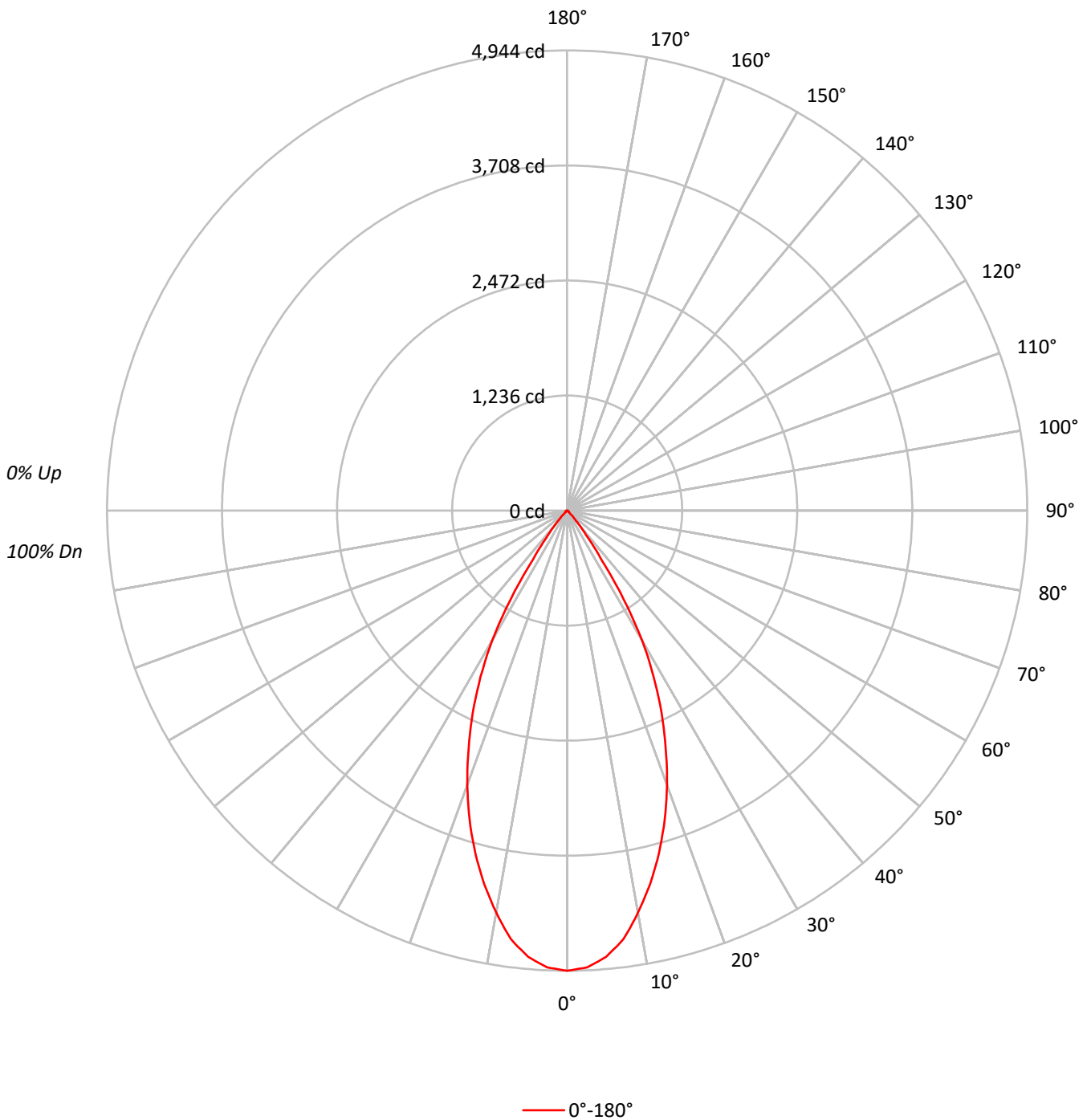
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	89
3	104	98	93	90	102	97	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		78	74	71	70
7	87	78	73	69	85	77	72	69	76	72	68		75	71	68		74	70	68	66
8	83	74	69	65	82	74	68	65	73	68	65		72	67	64		71	67	64	63
9	79	71	65	62	78	70	65	61	69	65	61		68	64	61		68	64	61	60
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°	354000
5°	345929
10°	318912
15°	282456
20°	239137
25°	189459
30°	133138
35°	55453
40°	19030
45°	5083
50°	2796
55°	2609
60°	2392
65°	2355
70°	2345
75°	2711
80°	3464
85°	5751



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	446.0	14.1
10°-20°	1057.1	33.5
20°-30°	1085.2	34.4
30°-40°	459.5	14.6
40°-50°	56.5	1.8
50°-60°	18.7	0.6
60°-70°	13.8	0.4
70°-80°	10.7	0.3
80°-90°	6.5	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°	2588.3	82.1
0°-40°	3047.9	96.6
0°-60°	3123.1	99.0
0°-90°	3154.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3154.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4944	
5°	4813	446
15°	3810	1057
25°	2398	1085
35°	634	460
45°	50	57
55°	21	19
65°	14	14
75°	10	11
85°	7	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4944.0
2.5°	4911.9
5°	4812.9
7.5°	4642.8
10°	4386.3
12.5°	4113.0
15°	3810.4
17.5°	3485.6
20°	3138.4
22.5°	2769.0
25°	2398.1
27.5°	2014.7
30°	1610.3
32.5°	1134.9
35°	634.4
37.5°	363.9
40°	203.6
42.5°	107.4
45°	50.2
47.5°	29.3
50°	25.1
52.5°	22.3
55°	20.9
57.5°	19.5
60°	16.7
62.5°	15.3
65°	13.9
67.5°	12.5
70°	11.2
72.5°	11.2
75°	9.8
77.5°	9.8
80°	8.4
82.5°	8.4
85°	7.0
87.5°	4.2
90°	0.0

(END OF REPORT)