

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: P364702

Luminaire Tested: **FLD6BX20D010-FEU6B12-8050-F6LBXVM1-LI-BTR85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364702
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: FLD6BX20D010-FEU6B12-8050-F6LBXVM1-LI-BTR85
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1595.0 lumens
Efficiency: N/A
Efficacy: 78.6 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

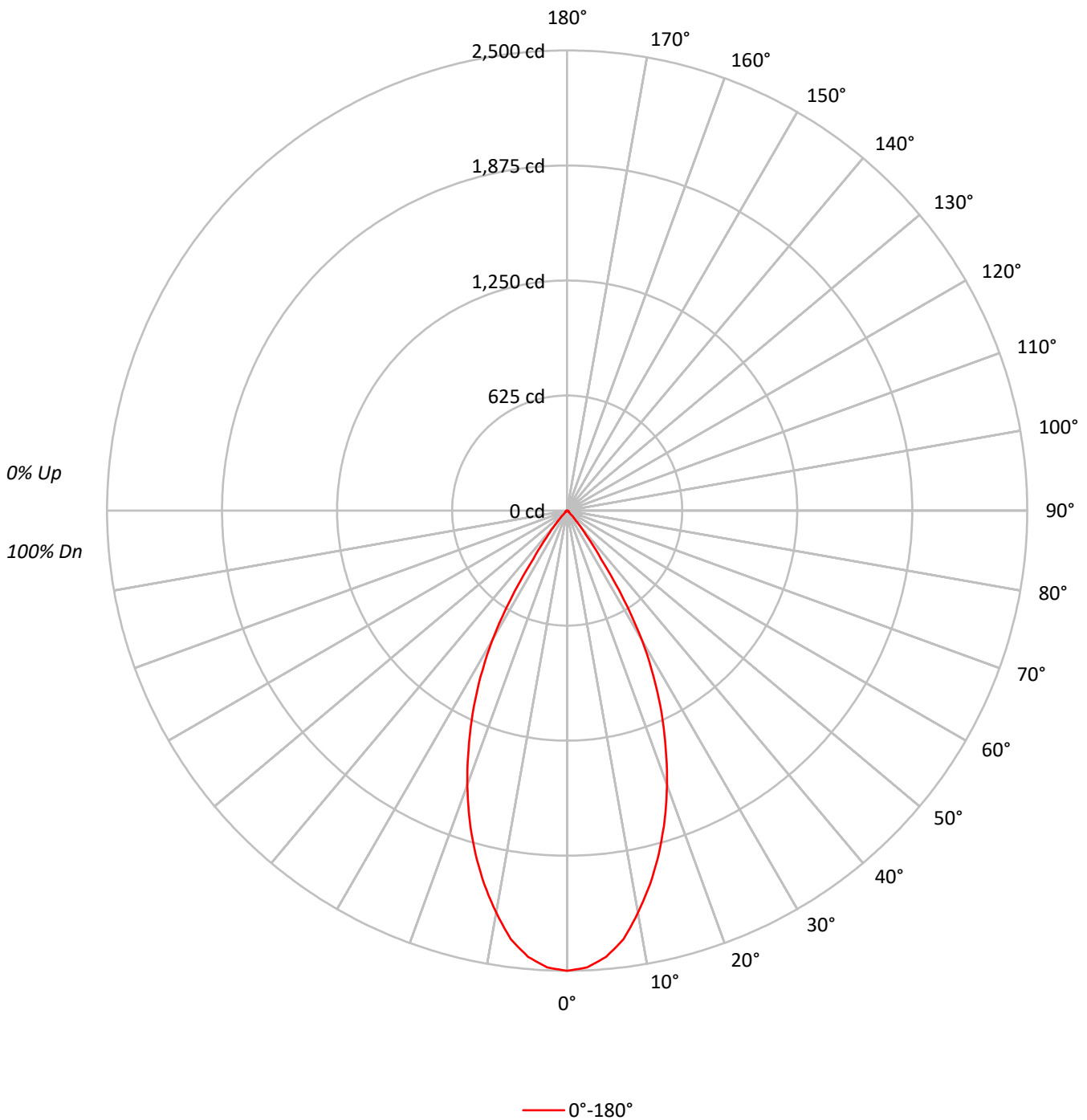
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	179019
5°	174937
10°	161277
15°	142844
20°	120932
25°	95808
30°	67334
35°	28041
40°	9618
45°	2572
50°	1415
55°	1323
60°	1217
65°	1203
70°	1172
75°	1356
80°	1732
85°	2875



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.6	14.1
10°-20°	534.6	33.5
20°-30°	548.8	34.4
30°-40°	232.4	14.6
40°-50°	28.6	1.8
50°-60°	9.5	0.6
60°-70°	7.0	0.4
70°-80°	5.4	0.3
80°-90°	3.2	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°	1308.9	82.1
0°-40°	1541.3	96.6
0°-60°	1579.4	99.0
0°-90°	1595.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1595.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2500	
5°	2434	226
15°	1927	535
25°	1213	549
35°	321	232
45°	25	29
55°	11	9
65°	7	7
75°	5	5
85°	4	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2500.2
2.5°	2484.0
5°	2433.9
7.5°	2347.9
10°	2218.2
12.5°	2080.0
15°	1927.0
17.5°	1762.7
20°	1587.1
22.5°	1400.3
25°	1212.7
27.5°	1018.8
30°	814.4
32.5°	573.9
35°	320.8
37.5°	184.0
40°	102.9
42.5°	54.3
45°	25.4
47.5°	14.8
50°	12.7
52.5°	11.3
55°	10.6
57.5°	9.9
60°	8.5
62.5°	7.8
65°	7.1
67.5°	6.3
70°	5.6
72.5°	5.6
75°	4.9
77.5°	4.9
80°	4.2
82.5°	4.2
85°	3.5
87.5°	2.1
90°	0.0

(END OF REPORT)