

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: P365390

Luminaire Tested: **FLD6BX20D010-FEU6B12-8035-F6LBXVM1-MW-BTR89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365390
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX20D010-FEU6B12-8035-F6LBXVM1-MW-BTR89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR 0.125", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1286.0 lumens
Efficiency: N/A
Efficacy: 63.4 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

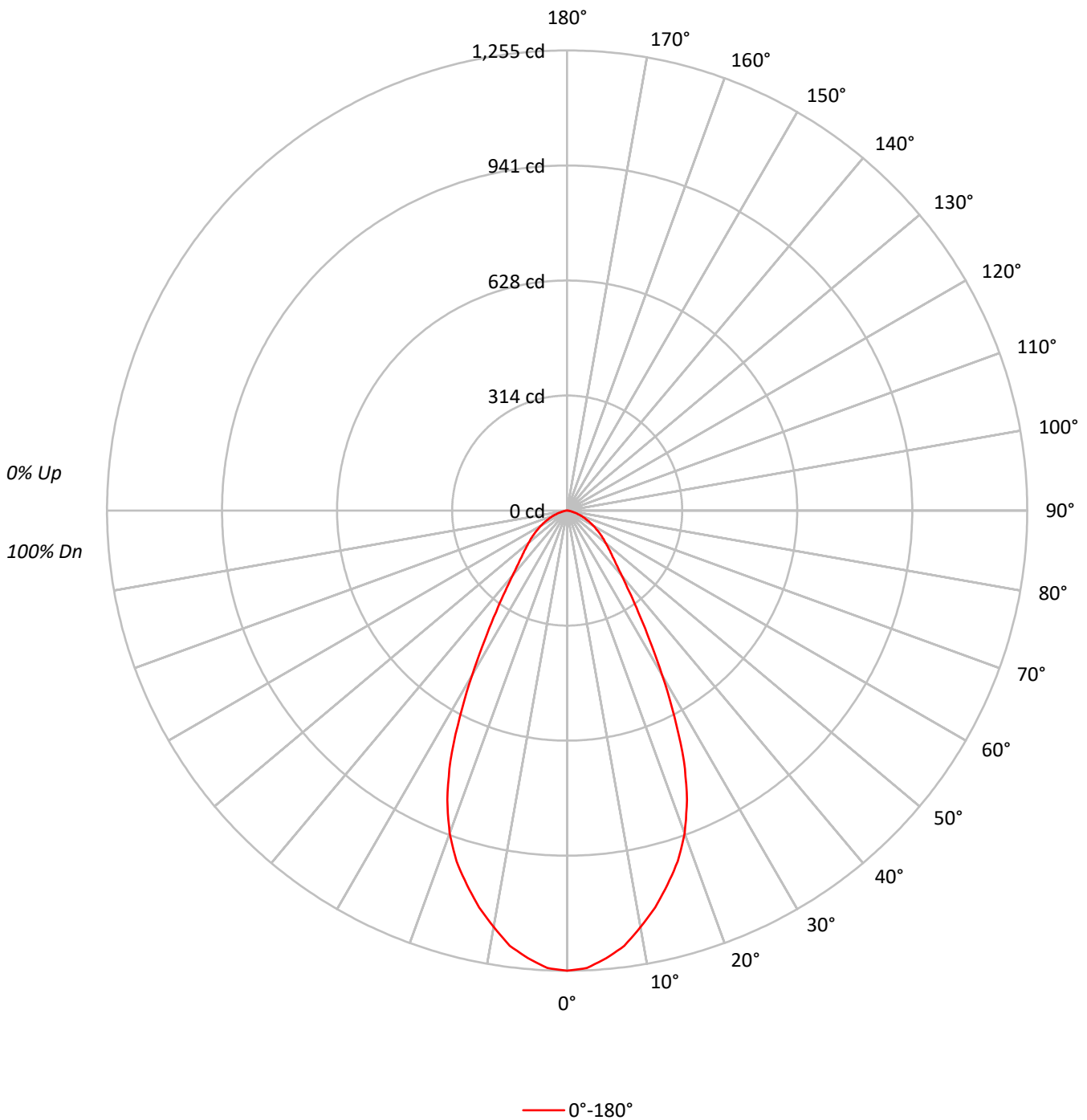
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	101	102	100	98		99	97	95		95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78		84	80	77		82	78	76	74
4	93	84	77	72	91	82	76	72	80	75	71		78	74	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71	67	63	62
6	82	72	65	60	81	71	64	60	69	64	59		68	63	59		66	62	58	57
7	78	67	60	55	76	66	60	55	65	59	55		64	58	54		62	58	54	53
8	73	63	56	51	72	62	56	51	61	55	51		60	54	51		59	54	50	49
9	70	59	52	48	68	58	52	48	57	51	47		56	51	47		55	51	47	46
10	66	55	49	45	65	55	49	45	54	48	44		53	48	44		52	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	89846
5°	88069
10°	83845
15°	78316
20°	71359
25°	59569
30°	42828
35°	29562
40°	21610
45°	17508
50°	15283
55°	13532
60°	11786
65°	9996
70°	8039
75°	5699
80°	3958
85°	4518



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.8	8.9
10°-20°	295.5	23.0
20°-30°	337.7	26.3
30°-40°	217.3	16.9
40°-50°	136.2	10.6
50°-60°	97.2	7.6
60°-70°	59.0	4.6
70°-80°	23.1	1.8
80°-90°	5.2	0.4
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°	748.0	58.2
0°-40°	965.3	75.1
0°-60°	1198.7	93.2
0°-90°	1286.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1286.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1255	
5°	1225	115
15°	1056	295
25°	754	338
35°	338	217
45°	173	136
55°	108	97
65°	59	59
75°	21	23
85°	6	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1254.8
2.5°	1248.6
5°	1225.3
7.5°	1197.1
10°	1153.2
12.5°	1108.6
15°	1056.5
17.5°	1003.0
20°	936.5
22.5°	854.1
25°	754.0
27.5°	633.2
30°	518.0
32.5°	416.4
35°	338.2
37.5°	276.5
40°	231.2
42.5°	197.6
45°	172.9
47.5°	153.7
50°	137.2
52.5°	122.8
55°	108.4
57.5°	94.7
60°	82.3
62.5°	70.7
65°	59.0
67.5°	48.7
70°	38.4
72.5°	28.8
75°	20.6
77.5°	14.4
80°	9.6
82.5°	6.2
85°	5.5
87.5°	2.7
90°	0.0

(END OF REPORT)