

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: P365373

Luminaire Tested: **FLD6BX20D010-FEU6B12-8030-F6LBXVM1-MW-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365373
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX20D010-FEU6B12-8030-F6LBXVM1-MW-BTR94
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1197.0 lumens
Efficiency: N/A
Efficacy: 59.0 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

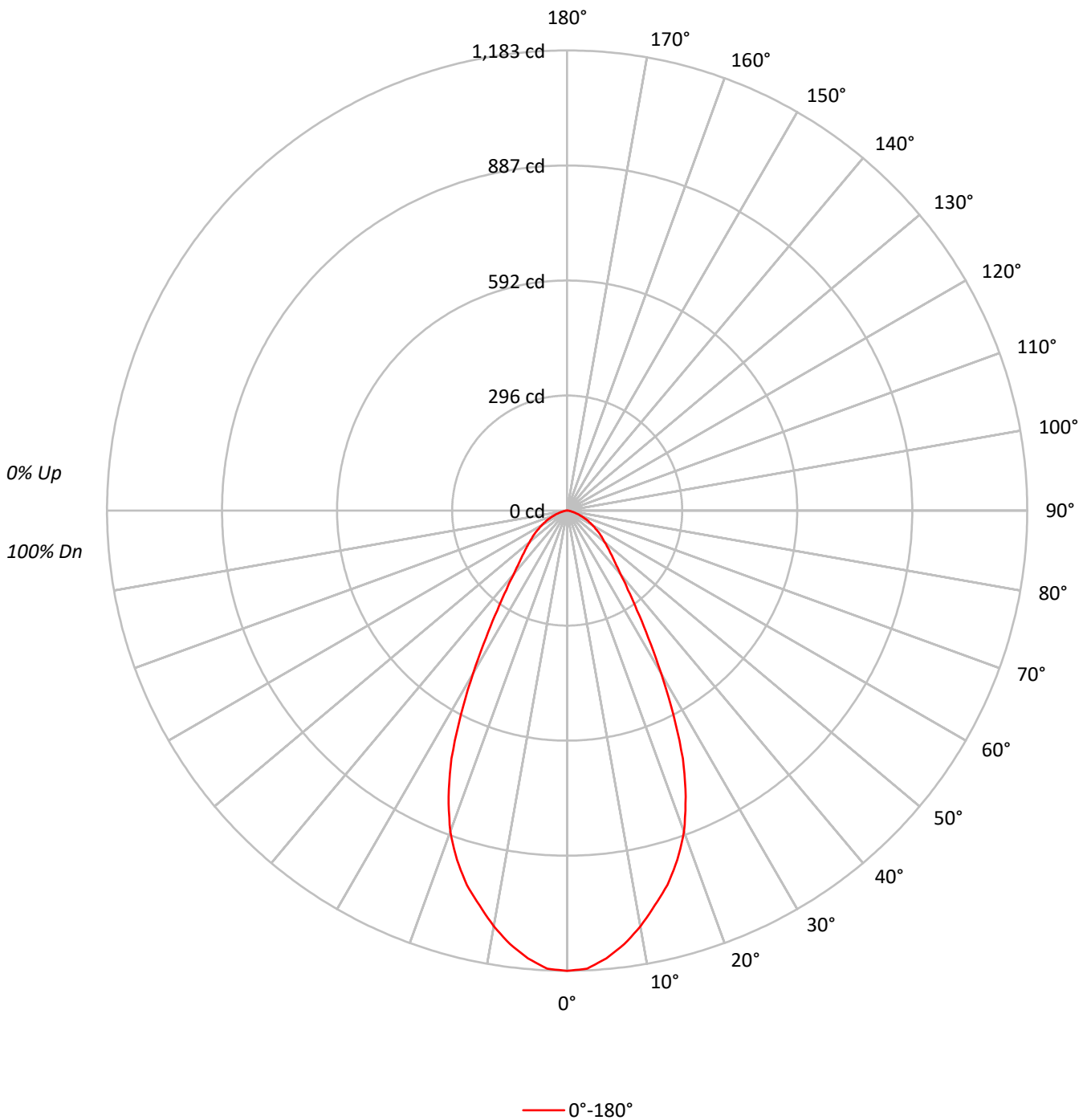
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	84726
5°	83066
10°	78886
15°	73853
20°	66939
25°	55587
30°	39876
35°	27342
40°	20059
45°	16283
50°	14013
55°	12433
60°	10783
65°	9115
70°	7181
75°	5201
80°	3340
85°	3861



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.1	9.0
10°-20°	277.7	23.2
20°-30°	315.3	26.3
30°-40°	201.8	16.9
40°-50°	126.1	10.5
50°-60°	89.3	7.5
60°-70°	53.4	4.5
70°-80°	20.8	1.7
80°-90°	4.6	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°	701.1	58.6
0°-40°	902.9	75.4
0°-60°	1118.2	93.4
0°-90°	1197.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1197.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1183	
5°	1156	108
15°	996	278
25°	704	315
35°	313	202
45°	161	126
55°	100	89
65°	54	53
75°	19	21
85°	5	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1183.3
2.5°	1178.6
5°	1155.7
7.5°	1124.1
10°	1085.0
12.5°	1040.0
15°	996.3
17.5°	941.8
20°	878.5
22.5°	796.5
25°	703.6
27.5°	591.3
30°	482.3
32.5°	387.5
35°	312.8
37.5°	257.0
40°	214.6
42.5°	183.0
45°	160.8
47.5°	141.9
50°	125.8
52.5°	113.0
55°	99.6
57.5°	86.8
60°	75.3
62.5°	63.9
65°	53.8
67.5°	43.7
70°	34.3
72.5°	26.2
75°	18.8
77.5°	12.8
80°	8.1
82.5°	5.4
85°	4.7
87.5°	2.7
90°	0.0

(END OF REPORT)