

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: P365356

Luminaire Tested: **FLD6BX20D010-FEU6B12-8027-F6LBXVM1-MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365356
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX20D010-FEU6B12-8027-F6LBXVM1-MW
Description: VANDAL RESISTANT OPEN, MATTE WHITE REFLECTOR, 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1654.0 lumens
Efficiency: N/A
Efficacy: 81.5 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.94
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

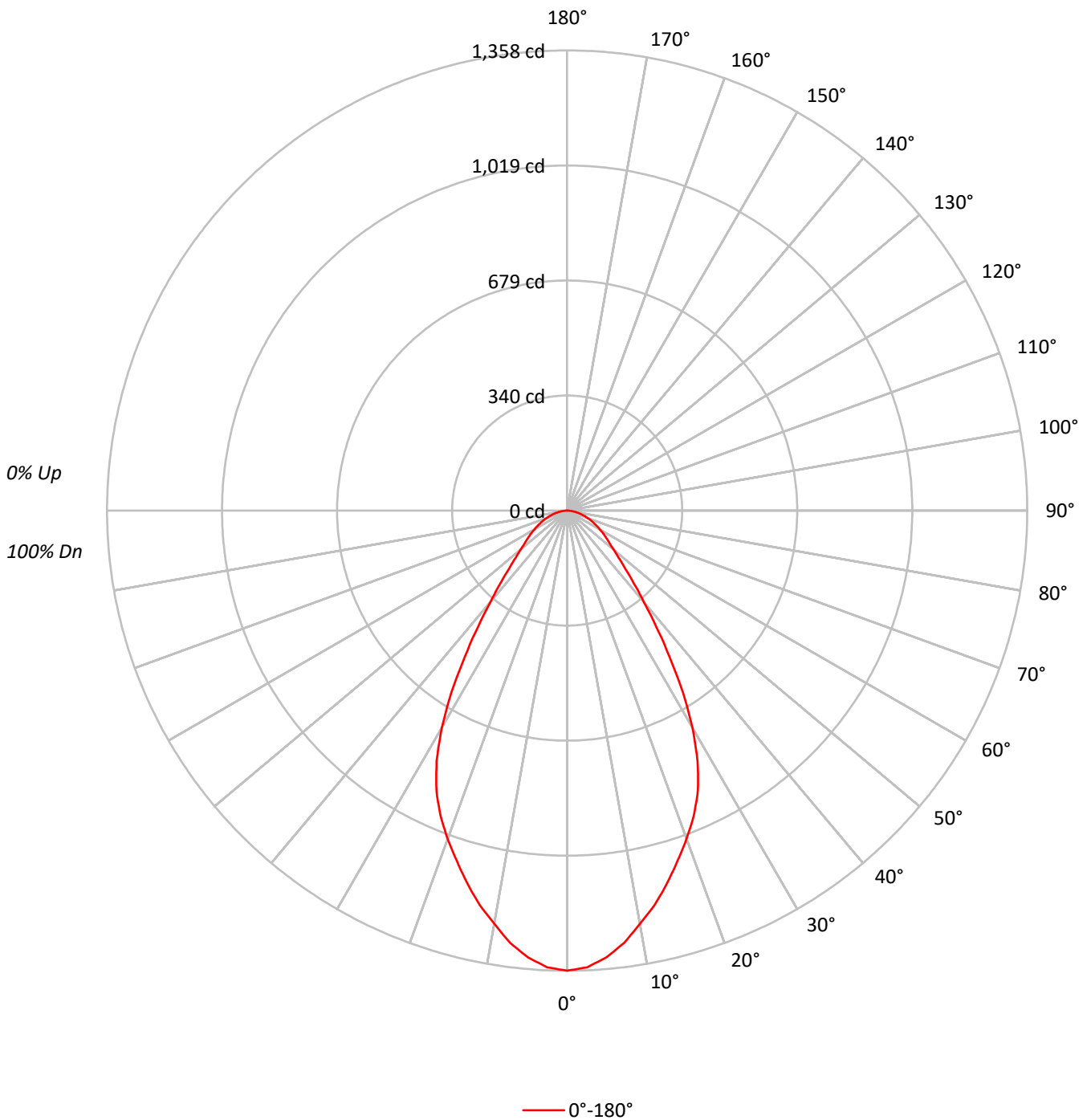
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89
2	104	98	93	88	102	96	91	87	93	89	85	89	86	83	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	59
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	54
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42
10	64	52	46	41	63	52	45	41	51	45	41	50	45	41	49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	37089
5°	36290
10°	34332
15°	32207
20°	29964
25°	27505
30°	23306
35°	17507
40°	12562
45°	9399
50°	7573
55°	6720
60°	6108
65°	5597
70°	5119
75°	4686
80°	4184
85°	3447



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.6	7.5
10°-20°	319.3	19.3
20°-30°	413.5	25.0
30°-40°	331.0	20.0
40°-50°	193.0	11.7
50°-60°	127.2	7.7
60°-70°	86.3	5.2
70°-80°	47.2	2.9
80°-90°	12.7	0.8
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°	856.5	51.8
0°-40°	1187.5	71.8
0°-60°	1507.7	91.2
0°-90°	1654.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1654.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1358	
5°	1324	124
15°	1139	319
25°	913	414
35°	525	331
45°	243	193
55°	141	127
65°	87	86
75°	44	47
85°	11	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1357.8
2.5°	1349.1
5°	1323.5
7.5°	1286.8
10°	1237.8
12.5°	1192.0
15°	1138.9
17.5°	1083.4
20°	1030.8
22.5°	975.8
25°	912.6
27.5°	834.2
30°	738.9
32.5°	635.9
35°	525.0
37.5°	432.0
40°	352.3
42.5°	291.8
45°	243.3
47.5°	206.2
50°	178.2
52.5°	157.1
55°	141.1
57.5°	126.4
60°	111.8
62.5°	99.0
65°	86.6
67.5°	75.6
70°	64.1
72.5°	54.1
75°	44.4
77.5°	35.3
80°	26.6
82.5°	18.3
85°	11.0
87.5°	4.1
90°	0.0

(END OF REPORT)