

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: P365341

Luminaire Tested: **FLD6BX20D010-FEU6B12-8027-F6LBXVM1-MW-BL86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365341
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-38)
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-BL86
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.250", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1457.0 lumens
Efficiency: N/A
Efficacy: 71.8 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.95
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

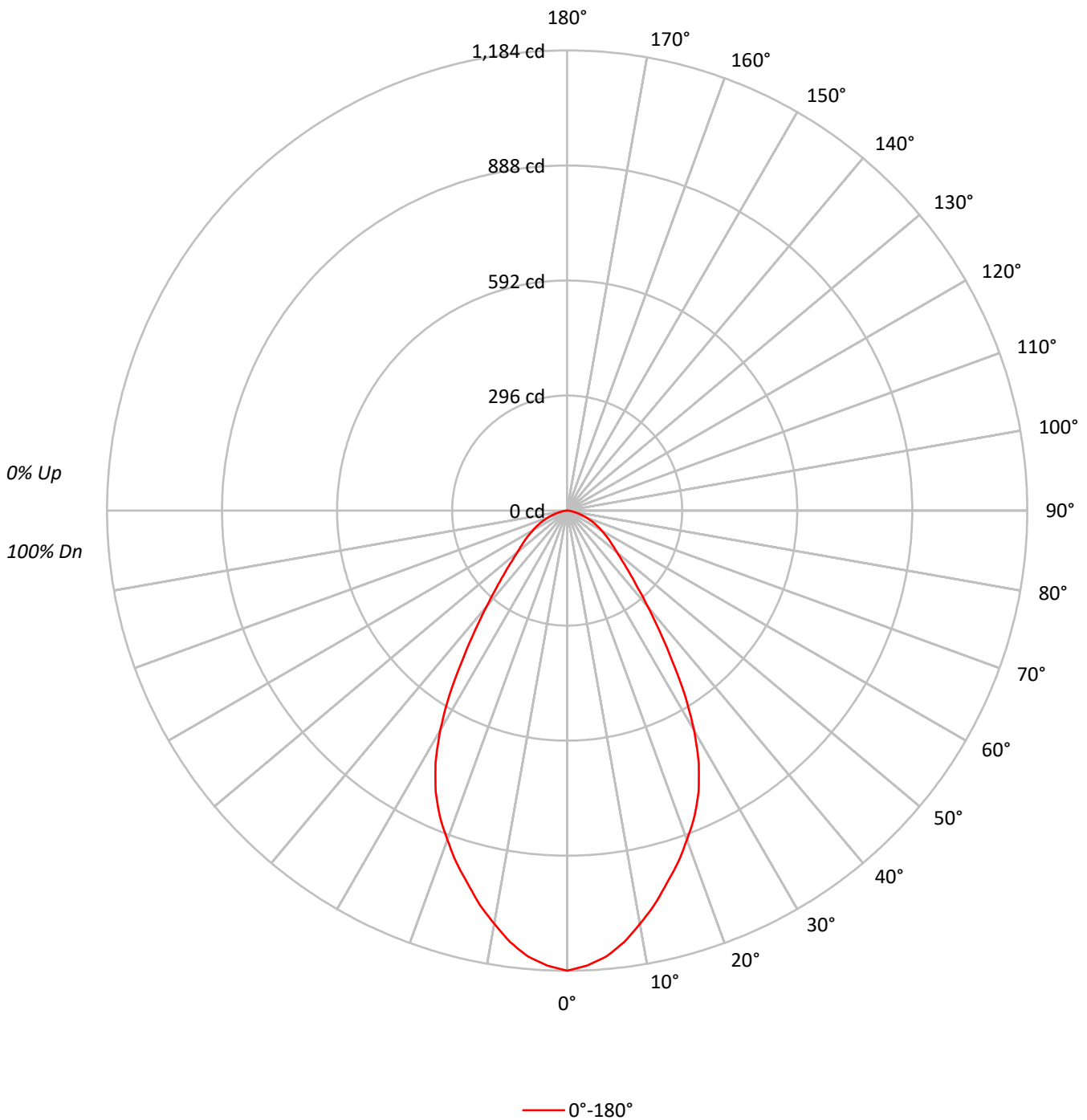
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	102	100	97		98	96	95		95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		83	78	75		80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68		76	71	67		74	70	67	65
5	85	75	68	63	84	74	67	62	72	66	62		70	65	61		69	64	61	59
6	80	69	62	57	78	68	62	57	67	61	56		65	60	56		64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52		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	62	52	45	41	51	45	41		50	45	41		49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	32336
5°	31579
10°	29947
15°	28041
20°	26188
25°	24108
30°	20606
35°	15676
40°	11489
45°	8742
50°	7131
55°	6277
60°	5583
65°	4906
70°	4161
75°	3261
80°	2218
85°	1003



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.6	7.4
10°-20°	278.7	19.1
20°-30°	362.9	24.9
30°-40°	296.2	20.3
40°-50°	179.0	12.3
50°-60°	118.6	8.1
60°-70°	75.5	5.2
70°-80°	33.5	2.3
80°-90°	5.0	0.3
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°	749.2	51.4
0°-40°	1045.4	71.8
0°-60°	1343.0	92.2
0°-90°	1457.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1457.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1184	
5°	1152	108
15°	992	279
25°	800	363
35°	470	296
45°	226	179
55°	132	119
65°	76	75
75°	31	33
85°	3	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1183.8
2.5°	1171.6
5°	1151.7
7.5°	1120.2
10°	1079.7
12.5°	1038.5
15°	991.6
17.5°	949.1
20°	900.9
22.5°	854.6
25°	799.9
27.5°	733.1
30°	653.3
32.5°	563.9
35°	470.1
37.5°	390.3
40°	322.2
42.5°	268.1
45°	226.3
47.5°	193.6
50°	167.8
52.5°	147.9
55°	131.8
57.5°	116.4
60°	102.2
62.5°	88.7
65°	75.9
67.5°	63.7
70°	52.1
72.5°	41.2
75°	30.9
77.5°	21.9
80°	14.1
82.5°	7.7
85°	3.2
87.5°	0.6
90°	0.0

(END OF REPORT)