

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: P365358

Luminaire Tested: **FLD6BX20D010-FEU6B12-8030-F6LBXVM1-MW-BL85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365358
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-37)
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-BL85
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.187", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1543.0 lumens
Efficiency: N/A
Efficacy: 76.0 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

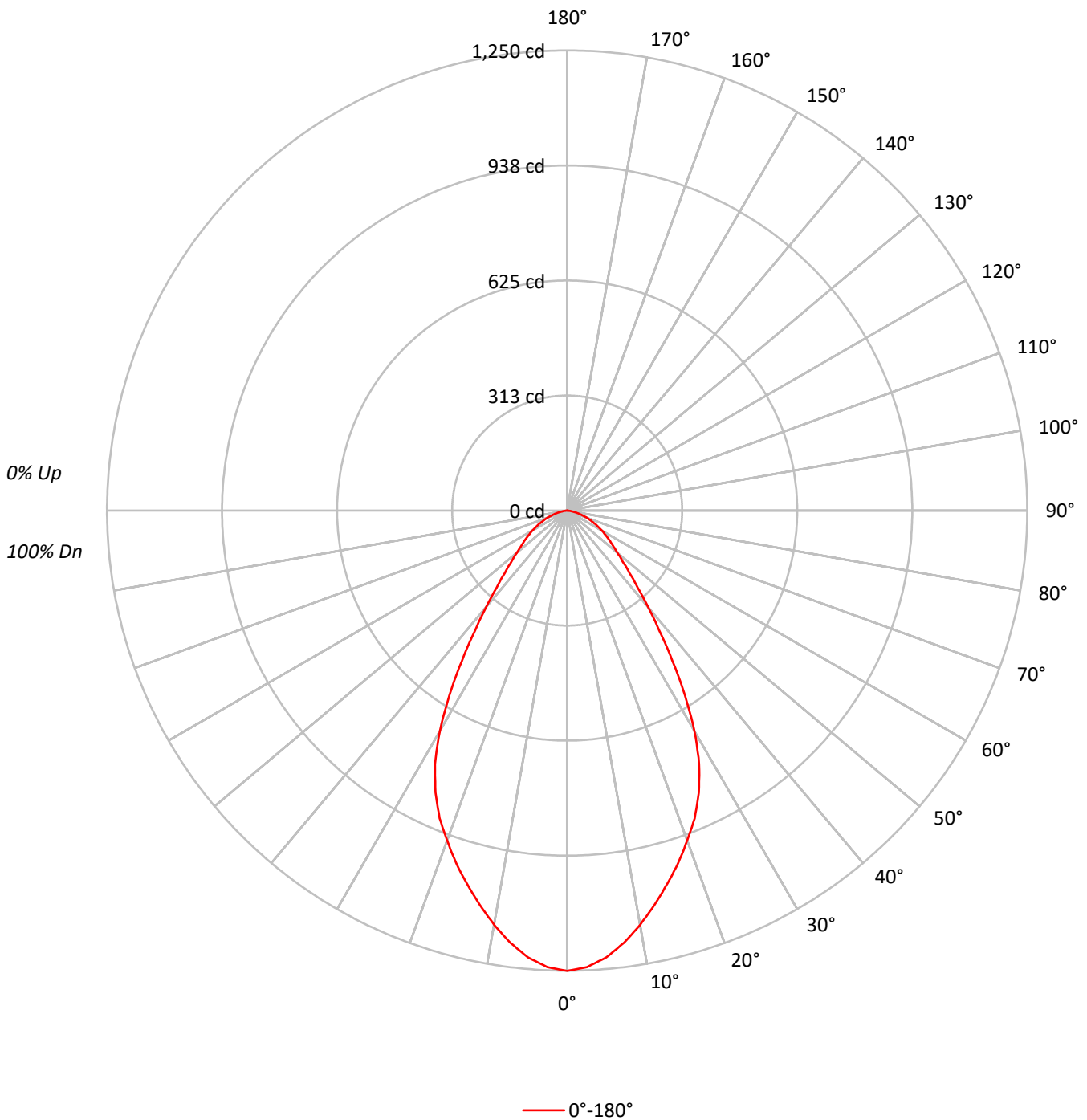
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	94		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		82	78	75		80	77	74	72
4	91	82	75	69	89	80	74	69	78	73	68		76	71	67		74	70	67	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	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	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	62	52	45	41	51	45	41		50	45	41		49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	34158
5°	33403
10°	31681
15°	29693
20°	27708
25°	25486
30°	21833
35°	16623
40°	12209
45°	9252
50°	7577
55°	6662
60°	5955
65°	5216
70°	4456
75°	3483
80°	2328
85°	1066



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.8	7.4
10°-20°	294.8	19.1
20°-30°	384.1	24.9
30°-40°	313.2	20.3
40°-50°	189.6	12.3
50°-60°	125.9	8.2
60°-70°	80.5	5.2
70°-80°	35.7	2.3
80°-90°	5.3	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°	792.8	51.4
0°-40°	1105.9	71.7
0°-60°	1421.5	92.1
0°-90°	1543.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1543.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1250	
5°	1218	114
15°	1050	295
25°	846	384
35°	498	313
45°	240	190
55°	140	126
65°	81	81
75°	33	36
85°	3	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1250.5
2.5°	1241.1
5°	1218.2
7.5°	1183.9
10°	1142.2
12.5°	1096.5
15°	1050.0
17.5°	1003.6
20°	953.2
22.5°	904.7
25°	845.6
27.5°	776.9
30°	692.2
32.5°	595.3
35°	498.5
37.5°	411.0
40°	342.4
42.5°	283.9
45°	239.5
47.5°	204.5
50°	178.3
52.5°	156.7
55°	139.9
57.5°	123.8
60°	109.0
62.5°	94.8
65°	80.7
67.5°	67.9
70°	55.8
72.5°	43.7
75°	33.0
77.5°	23.5
80°	14.8
82.5°	8.1
85°	3.4
87.5°	0.7
90°	0.0

(END OF REPORT)