

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: P365374

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365374
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-FEU6B12-8030-F6LBXVM1-MW
Description: VANDAL RESISTANT OPEN, MATTE WHITE REFLECTOR, 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1729.0 lumens
Efficiency: N/A
Efficacy: 85.2 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

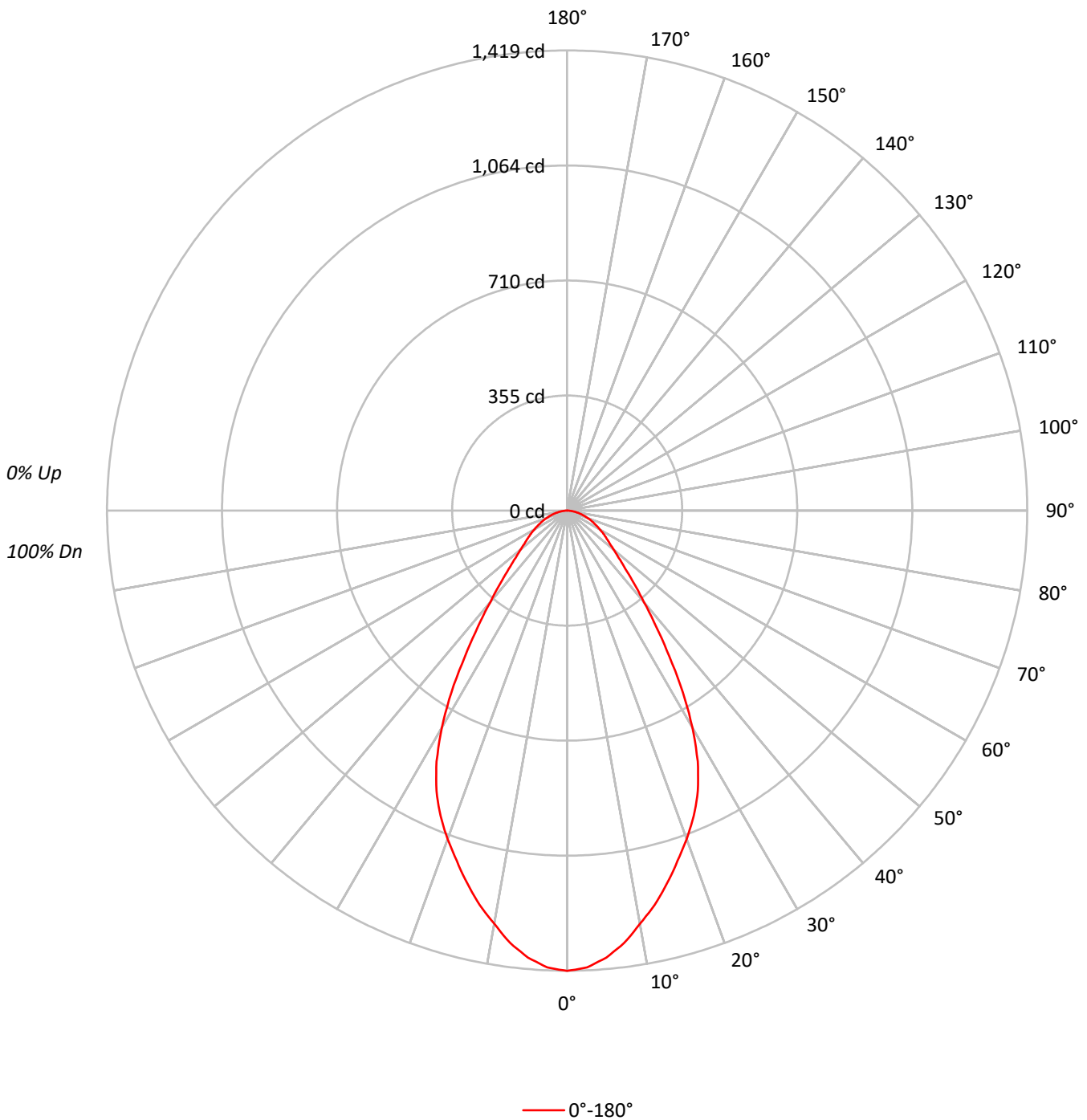
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	38771
5°	37935
10°	35888
15°	33666
20°	31321
25°	28750
30°	24362
35°	18300
40°	13133
45°	9824
50°	7917
55°	7024
60°	6381
65°	5849
70°	5351
75°	4908
80°	4373
85°	3604



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.3	7.5
10°-20°	333.8	19.3
20°-30°	432.3	25.0
30°-40°	346.0	20.0
40°-50°	201.8	11.7
50°-60°	133.0	7.7
60°-70°	90.2	5.2
70°-80°	49.4	2.9
80°-90°	13.3	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°	895.3	51.8
0°-40°	1241.3	71.8
0°-60°	1576.1	91.2
0°-90°	1729.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1729.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1419	
5°	1384	129
15°	1190	334
25°	954	432
35°	549	346
45°	254	202
55°	148	133
65°	90	90
75°	46	49
85°	12	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1419.4
2.5°	1410.3
5°	1383.5
7.5°	1345.2
10°	1293.9
12.5°	1246.1
15°	1190.5
17.5°	1132.6
20°	1077.5
22.5°	1020.0
25°	953.9
27.5°	872.1
30°	772.4
32.5°	664.7
35°	548.8
37.5°	451.6
40°	368.3
42.5°	305.0
45°	254.3
47.5°	215.5
50°	186.3
52.5°	164.3
55°	147.5
57.5°	132.2
60°	116.8
62.5°	103.4
65°	90.5
67.5°	79.0
70°	67.0
72.5°	56.5
75°	46.5
77.5°	36.9
80°	27.8
82.5°	19.2
85°	11.5
87.5°	4.3
90°	0.0

(END OF REPORT)