

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: P366132

Luminaire Tested: **FLD6BX20D010-FEU6B12-8050-F6LBXVM1-WMH-BL85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366132
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-47)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX20D010-FEU6B12-8050-F6LBXVM1-WMH-BL85
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.187", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1855.0 lumens
Efficiency: N/A
Efficacy: 91.4 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

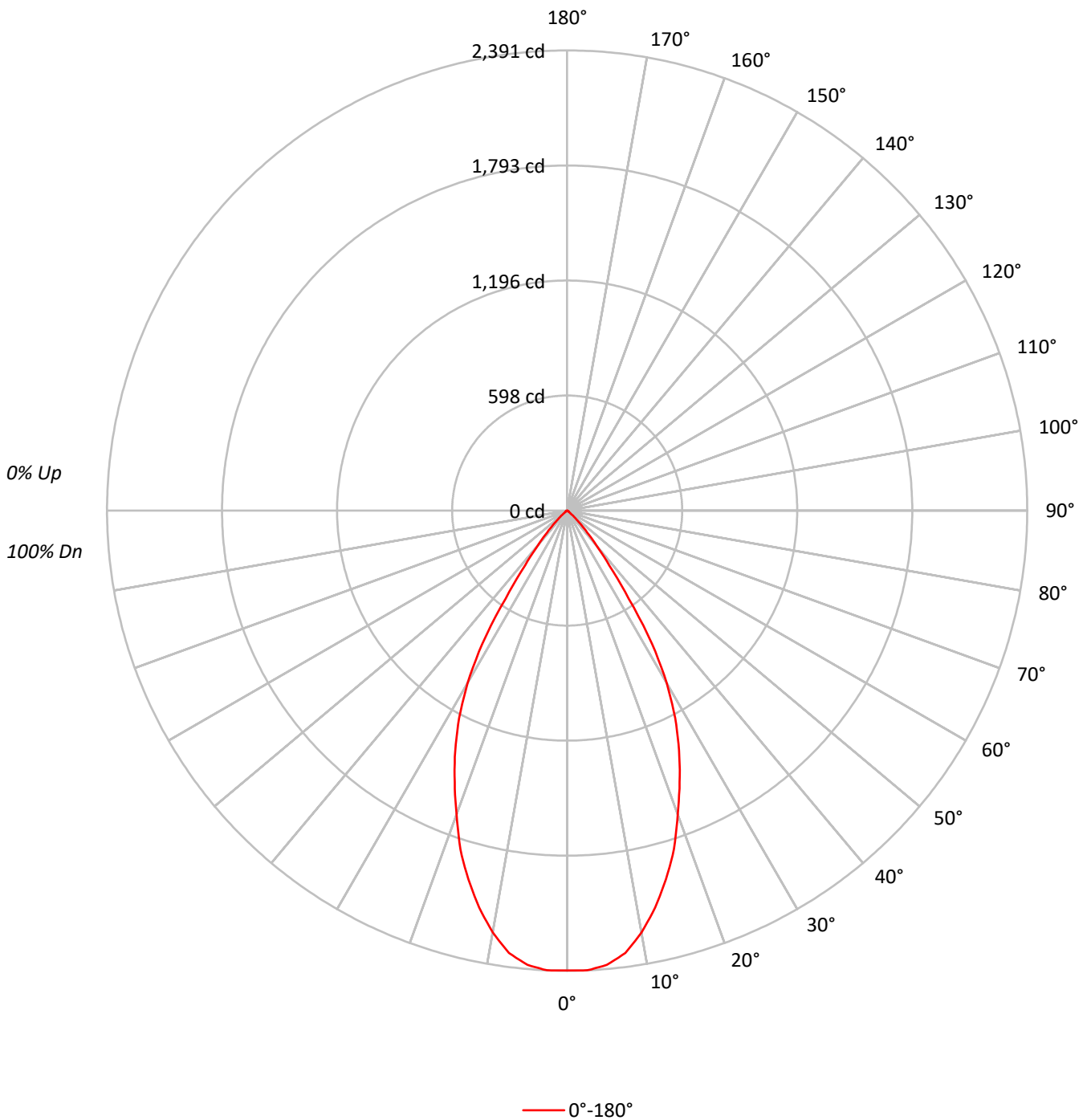
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	106	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86		91	88	85		88	86	84	82
4	98	91	86	82	96	90	85	81	88	83	80		86	82	79		84	81	78	77
5	93	85	80	76	92	85	79	75	83	78	75		81	77	74		80	76	73	72
6	89	80	75	71	88	80	74	70	78	73	70		77	73	69		76	72	69	68
7	85	76	70	66	83	75	70	66	74	69	65		73	68	65		72	68	65	63
8	81	72	66	62	80	71	66	62	70	65	62		69	65	61		68	64	61	60
9	77	68	62	58	76	67	62	58	66	62	58		66	61	58		65	61	58	56
10	74	64	59	55	73	64	59	55	63	58	55		62	58	55		62	58	55	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	65259
5°	64982
10°	61731
15°	56074
20°	48794
25°	41483
30°	32632
35°	18617
40°	8376
45°	3527
50°	1113
55°	338
60°	229
65°	181
70°	168
75°	222
80°	110
85°	219



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.7	12.0
10°-20°	551.6	29.7
20°-30°	625.0	33.7
30°-40°	362.3	19.5
40°-50°	80.4	4.3
50°-60°	8.8	0.5
60°-70°	2.9	0.2
70°-80°	1.8	0.1
80°-90°	0.5	0.0
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
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0°-30°	1398.3	75.4
0°-40°	1760.6	94.9
0°-60°	1849.8	99.7
0°-90°	1855.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1855.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2389	
5°	2370	222
15°	1983	552
25°	1376	625
35°	558	362
45°	91	80
55°	7	9
65°	3	3
75°	2	2
85°	1	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2389.1
2.5°	2391.2
5°	2369.9
7.5°	2318.3
10°	2225.6
12.5°	2113.1
15°	1982.9
17.5°	1845.6
20°	1678.6
22.5°	1527.8
25°	1376.4
27.5°	1215.0
30°	1034.6
32.5°	821.6
35°	558.3
37.5°	358.8
40°	234.9
42.5°	153.6
45°	91.3
47.5°	51.0
50°	26.2
52.5°	12.0
55°	7.1
57.5°	5.7
60°	4.2
62.5°	3.5
65°	2.8
67.5°	2.1
70°	2.1
72.5°	2.1
75°	2.1
77.5°	1.4
80°	0.7
82.5°	0.7
85°	0.7
87.5°	0.0
90°	0.0

(END OF REPORT)