

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: P364680

Luminaire Tested: **FLD6BX20D010-FEU6B12-8040-F6LBXVM1-LI-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364680
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-23)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX20D010-FEU6B12-8040-F6LBXVM1-LI-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1606.0 lumens
Efficiency: N/A
Efficacy: 79.1 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.87
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

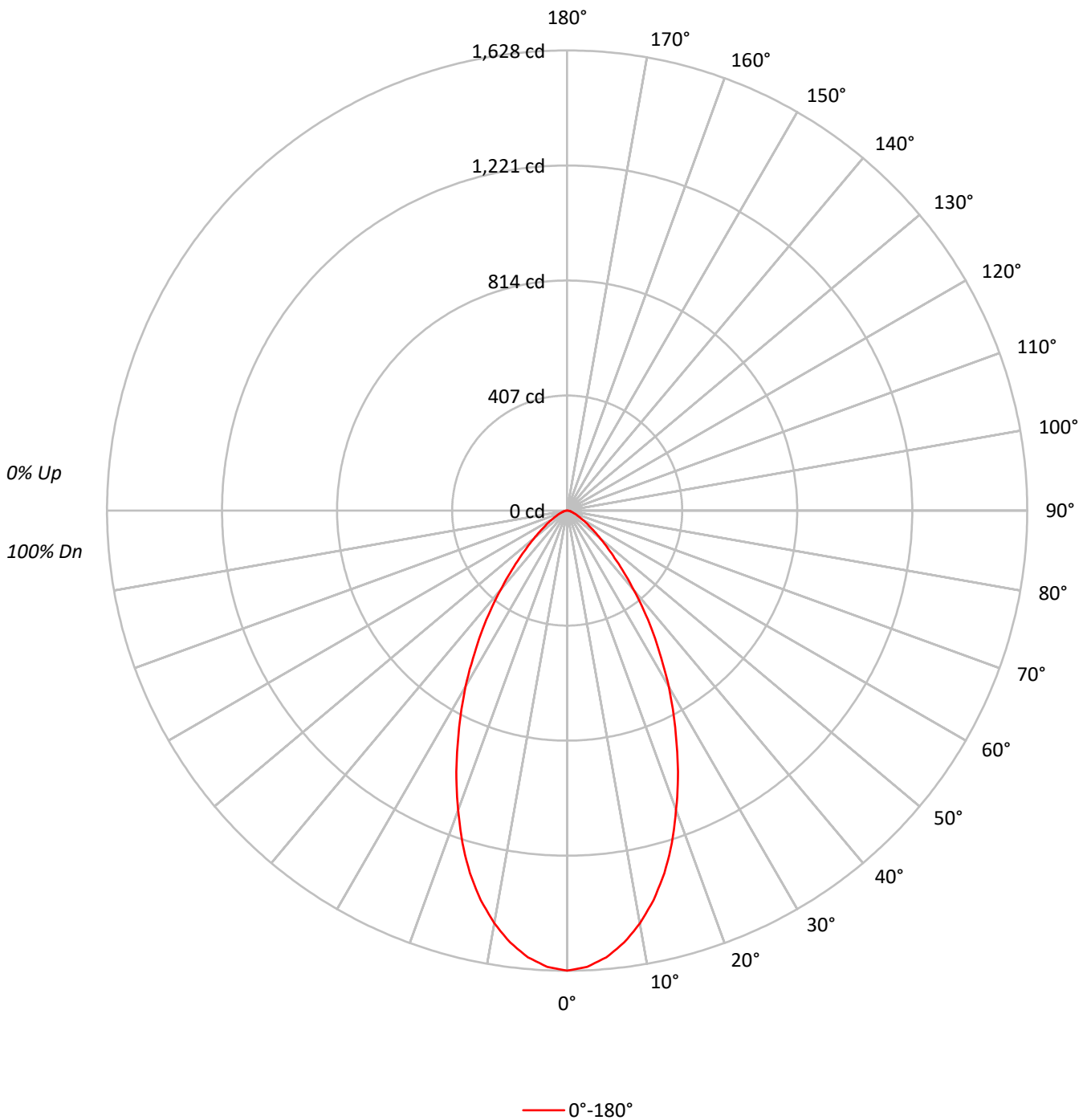
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91					91			
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83					83			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76					76			
4	94	85	79	74	92	84	78	74	82	77	73	80	75	72	78	74	71	69					69			
5	88	79	72	67	87	78	72	67	76	71	67	74	70	66	73	69	65	64					64			
6	83	73	67	62	82	73	66	62	71	65	61	69	65	61	68	64	60	59					59			
7	79	68	62	57	77	68	61	57	66	61	57	65	60	56	64	59	56	54					54			
8	75	64	57	53	73	63	57	53	62	57	52	61	56	52	60	55	52	50					50			
9	71	60	54	49	69	60	53	49	59	53	49	58	52	49	57	52	49	47					47			
10	67	57	50	46	66	56	50	46	55	50	46	54	49	46	54	49	45	44					44			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	116532
5°	114037
10°	107795
15°	98434
20°	85859
25°	72478
30°	59396
35°	46432
40°	34219
45°	24080
50°	16999
55°	12034
60°	8535
65°	6336
70°	4941
75°	4039
80°	3711
85°	4026



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.1	9.2
10°-20°	368.8	23.0
20°-30°	420.2	26.2
30°-40°	331.7	20.7
40°-50°	188.5	11.7
50°-60°	89.0	5.5
60°-70°	38.5	2.4
70°-80°	16.0	1.0
80°-90°	5.2	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°	937.2	58.4
0°-40°	1268.9	79.0
0°-60°	1546.3	96.3
0°-90°	1606.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1606.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1628	
5°	1587	148
15°	1328	369
25°	917	420
35°	531	332
45°	238	189
55°	96	89
65°	37	38
75°	15	16
85°	5	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1627.5
2.5°	1615.7
5°	1586.6
7.5°	1541.5
10°	1482.6
12.5°	1411.8
15°	1327.9
17.5°	1232.9
20°	1126.8
22.5°	1024.2
25°	917.4
27.5°	815.5
30°	718.4
32.5°	619.9
35°	531.2
37.5°	445.9
40°	366.1
42.5°	298.2
45°	237.8
47.5°	190.0
50°	152.6
52.5°	121.4
55°	96.4
57.5°	76.3
60°	59.6
62.5°	47.2
65°	37.4
67.5°	29.8
70°	23.6
72.5°	18.7
75°	14.6
77.5°	11.1
80°	9.0
82.5°	6.9
85°	4.9
87.5°	2.8
90°	0.0

(END OF REPORT)