

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: P364896

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-LI-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364896
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: FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-LI-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3789.0 lumens
Efficiency: N/A
Efficacy: 68.8 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

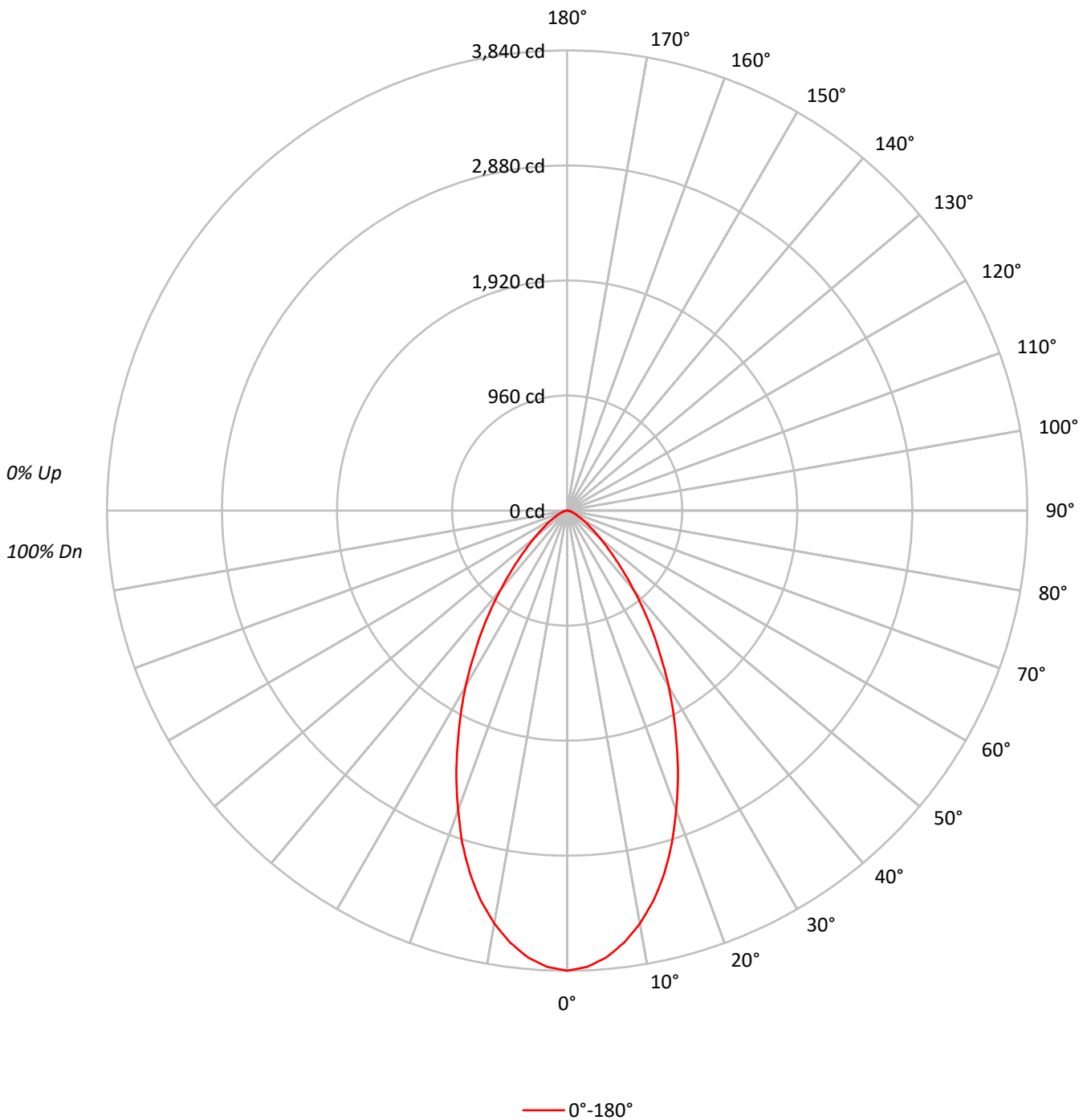
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	274930
5°	269044
10°	254313
15°	232235
20°	202570
25°	170996
30°	140132
35°	109542
40°	80739
45°	56817
50°	40090
55°	28387
60°	20149
65°	14960
70°	11640
75°	9517
80°	8783
85°	9448



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	349.5	9.2
10°-20°	870.2	23.0
20°-30°	991.4	26.2
30°-40°	782.5	20.7
40°-50°	444.7	11.7
50°-60°	209.9	5.5
60°-70°	90.8	2.4
70°-80°	37.8	1.0
80°-90°	12.3	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°	2211.1	58.4
0°-40°	2993.6	79.0
0°-60°	3648.2	96.3
0°-90°	3789.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3789.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3840	
5°	3743	349
15°	3133	870
25°	2164	991
35°	1253	783
45°	561	445
55°	227	210
65°	88	91
75°	34	38
85°	12	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3839.7
2.5°	3811.9
5°	3743.2
7.5°	3636.8
10°	3497.8
12.5°	3330.9
15°	3132.9
17.5°	2908.8
20°	2658.5
22.5°	2416.4
25°	2164.4
27.5°	1923.9
30°	1694.9
32.5°	1462.6
35°	1253.2
37.5°	1051.9
40°	863.8
42.5°	703.5
45°	561.1
47.5°	448.3
50°	359.9
52.5°	286.3
55°	227.4
57.5°	180.0
60°	140.7
62.5°	111.2
65°	88.3
67.5°	70.3
70°	55.6
72.5°	44.2
75°	34.4
77.5°	26.2
80°	21.3
82.5°	16.4
85°	11.5
87.5°	6.5
90°	0.0

(END OF REPORT)