

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: P366396

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-WMH-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366396
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-30)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-WMH-BTR87
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3844.0 lumens
Efficiency: N/A
Efficacy: 69.8 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.8
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

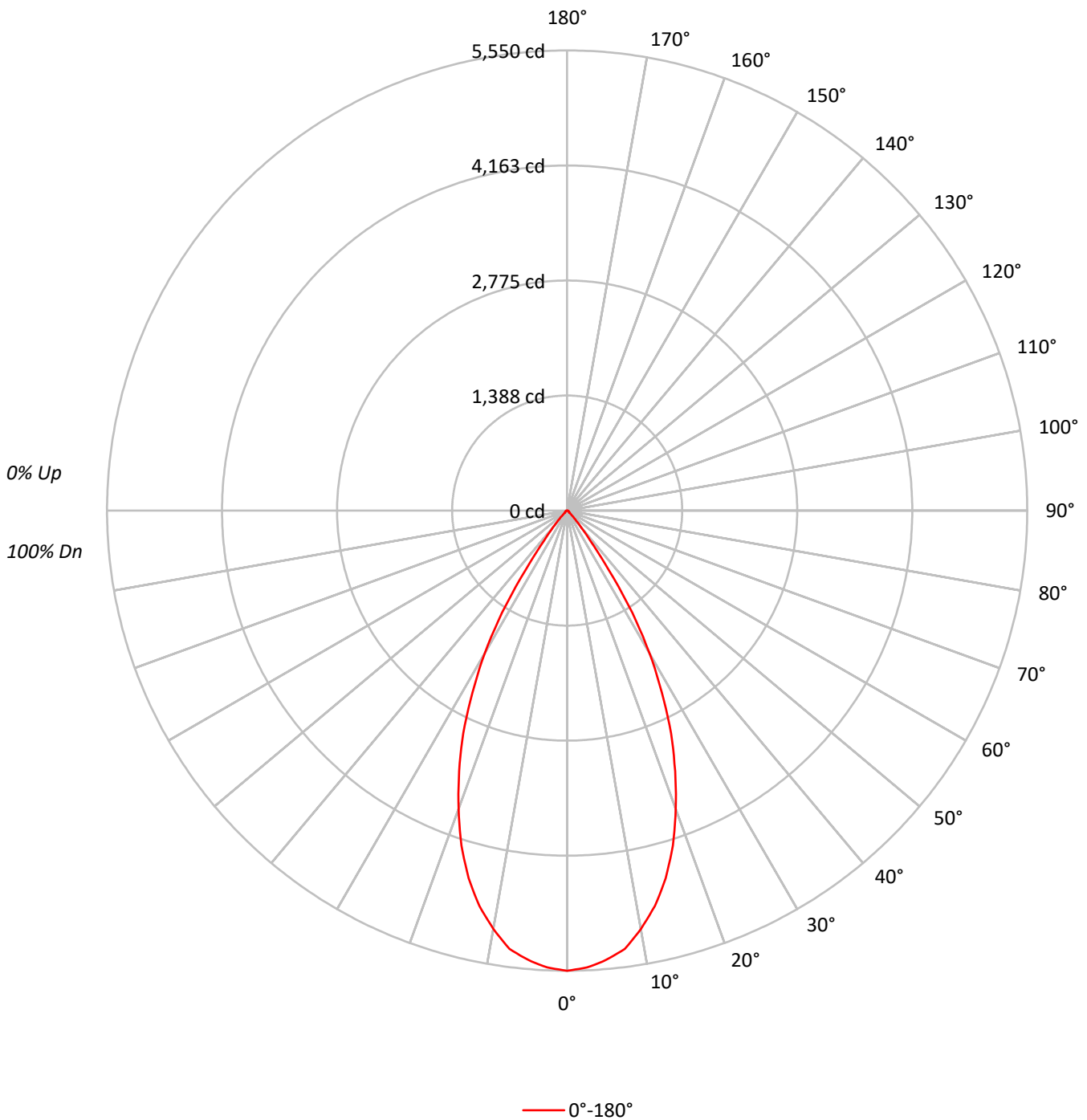
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89	87	84	83
4	99	92	87	83	97	91	86	82	89	85	81		87	83	80		85	82	80	78
5	94	87	81	77	93	86	81	77	84	80	76		82	79	76		81	78	75	74
6	90	82	76	72	89	81	76	72	80	75	72		78	74	71		77	74	71	69
7	86	78	72	68	85	77	72	68	76	71	68		75	70	67		73	70	67	66
8	82	74	68	64	81	73	68	64	72	67	64		71	67	64		70	66	63	62
9	79	70	64	61	78	69	64	61	69	64	60		68	63	60		67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57		65	60	57		64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	397426
5°	390887
10°	372446
15°	340335
20°	291858
25°	234183
30°	164192
35°	75863
40°	24349
45°	7858
50°	3654
55°	3233
60°	3208
65°	2931
70°	2889
75°	3347
80°	4288
85°	7065



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	510.0	13.3
10°-20°	1270.5	33.1
20°-30°	1334.3	34.7
30°-40°	592.1	15.4
40°-50°	76.5	2.0
50°-60°	23.9	0.6
60°-70°	16.9	0.4
70°-80°	12.3	0.3
80°-90°	7.5	0.2
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°	3114.8	81.0
0°-40°	3706.9	96.4
0°-60°	3807.3	99.0
0°-90°	3844.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3844.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5550	
5°	5438	510
15°	4591	1270
25°	2964	1334
35°	868	592
45°	78	76
55°	26	24
65°	17	17
75°	12	12
85°	9	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5550.5
2.5°	5516.0
5°	5438.4
7.5°	5333.1
10°	5122.6
12.5°	4886.3
15°	4591.2
17.5°	4237.5
20°	3830.3
22.5°	3402.4
25°	2964.2
27.5°	2472.5
30°	1985.9
32.5°	1459.7
35°	867.9
37.5°	462.4
40°	260.5
42.5°	143.2
45°	77.6
47.5°	39.7
50°	32.8
52.5°	29.3
55°	25.9
57.5°	24.2
60°	22.4
62.5°	19.0
65°	17.3
67.5°	13.8
70°	13.8
72.5°	12.1
75°	12.1
77.5°	10.4
80°	10.4
82.5°	8.6
85°	8.6
87.5°	5.2
90°	0.0

(END OF REPORT)