

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: P366331

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-WMH-BL86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366331
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: FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-WMH-BL86
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.250", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4219.0 lumens
Efficiency: N/A
Efficacy: 76.6 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

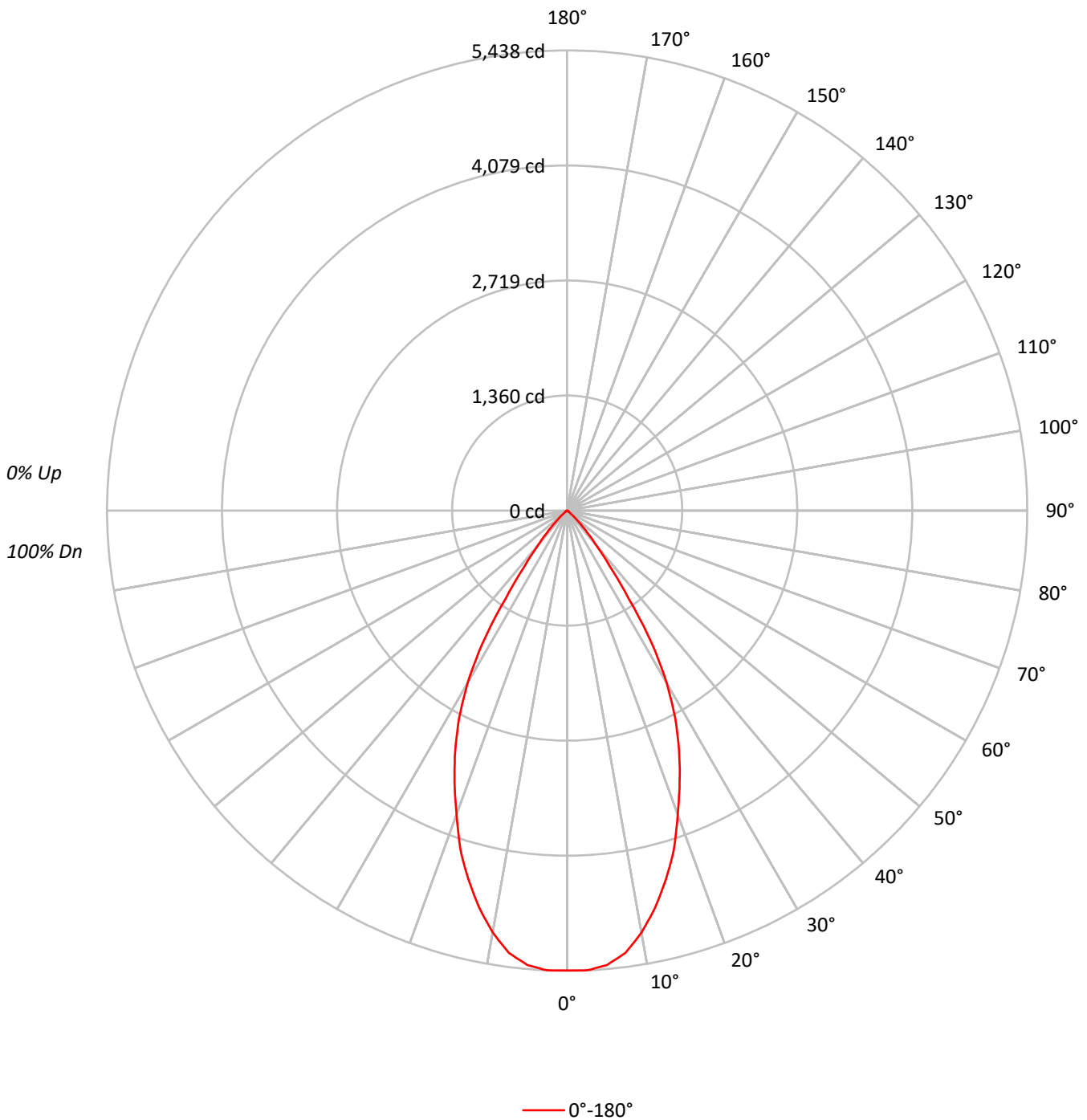
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	148420
5°	147797
10°	140397
15°	127532
20°	110974
25°	94350
30°	74219
35°	42346
40°	19055
45°	8020
50°	2533
55°	767
60°	530
65°	414
70°	383
75°	507
80°	252
85°	501



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	504.2	12.0
10°-20°	1254.5	29.7
20°-30°	1421.6	33.7
30°-40°	824.1	19.5
40°-50°	182.8	4.3
50°-60°	20.1	0.5
60°-70°	6.5	0.2
70°-80°	4.2	0.1
80°-90°	1.1	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
0°-30°	3180.2	75.4
0°-40°	4004.3	94.9
0°-60°	4207.2	99.7
0°-90°	4219.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4219.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5434	
5°	5390	504
15°	4510	1254
25°	3130	1422
35°	1270	824
45°	208	183
55°	16	20
65°	6	7
75°	5	4
85°	2	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5433.6
2.5°	5438.5
5°	5390.2
7.5°	5272.7
10°	5061.8
12.5°	4805.9
15°	4509.8
17.5°	4197.6
20°	3817.7
22.5°	3474.9
25°	3130.5
27.5°	2763.5
30°	2353.1
32.5°	1868.6
35°	1269.9
37.5°	816.0
40°	534.4
42.5°	349.3
45°	207.6
47.5°	115.9
50°	59.6
52.5°	27.4
55°	16.1
57.5°	12.9
60°	9.7
62.5°	8.0
65°	6.4
67.5°	4.8
70°	4.8
72.5°	4.8
75°	4.8
77.5°	3.2
80°	1.6
82.5°	1.6
85°	1.6
87.5°	0.0
90°	0.0

(END OF REPORT)