

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: P365685

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-MW-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365685
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-40)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-MW-BL89AM
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1832.9 lumens
Efficiency: N/A
Efficacy: 33.3 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

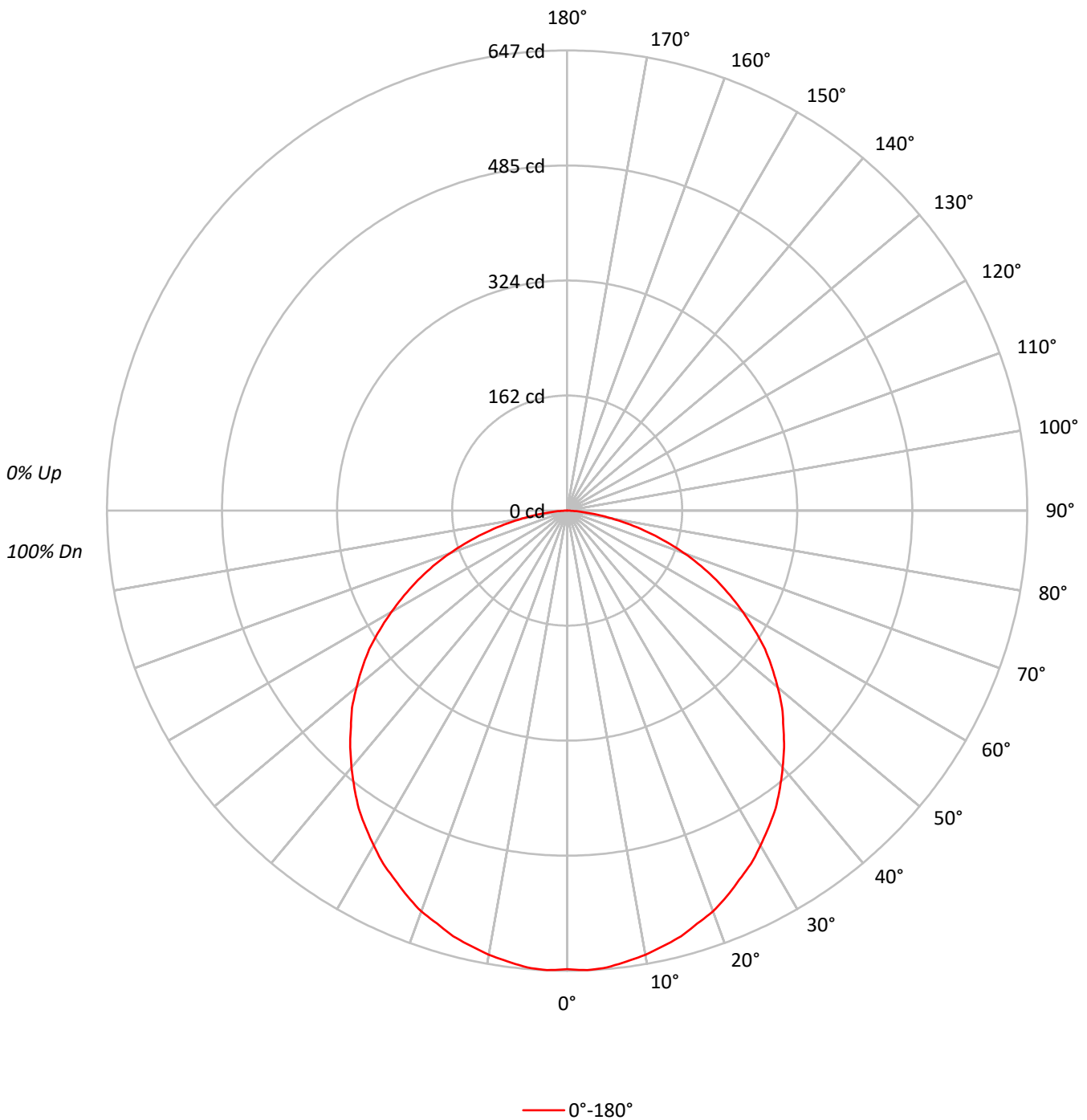
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	104	100	96	106	102	98	95	98	94	92	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75	82	78	74	79	75	72	70
3	90	80	71	65	88	78	70	64	75	69	63	72	67	62	70	65	61	59
4	82	70	62	55	80	69	61	55	67	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38
7	65	51	42	36	63	50	42	36	49	41	36	47	41	36	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	29	27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	17616
5°	17683
10°	17588
15°	17522
20°	17435
25°	17261
30°	17152
35°	17046
40°	16813
45°	16607
50°	16429
55°	16173
60°	15592
65°	14943
70°	13992
75°	12390
80°	9942
85°	5673



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.2	3.3
10°-20°	174.7	9.5
20°-30°	264.4	14.4
30°-40°	319.1	17.4
40°-50°	332.2	18.1
50°-60°	302.2	16.5
60°-70°	228.6	12.5
70°-80°	124.7	6.8
80°-90°	25.8	1.4
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°	500.3	27.3
0°-40°	819.4	44.7
0°-60°	1453.9	79.3
0°-90°	1832.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1832.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	645	
5°	645	61
15°	620	175
25°	573	264
35°	511	319
45°	430	332
55°	340	302
65°	231	229
75°	117	125
85°	18	26
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	644.9
2.5°	646.7
5°	644.9
7.5°	639.5
10°	634.1
12.5°	626.9
15°	619.6
17.5°	608.8
20°	599.8
22.5°	587.1
25°	572.7
27.5°	560.0
30°	543.8
32.5°	527.5
35°	511.2
37.5°	491.4
40°	471.5
42.5°	451.6
45°	429.9
47.5°	410.1
50°	386.6
52.5°	363.1
55°	339.6
57.5°	312.5
60°	285.4
62.5°	258.3
65°	231.2
67.5°	204.1
70°	175.2
72.5°	146.3
75°	117.4
77.5°	90.3
80°	63.2
82.5°	39.7
85°	18.1
87.5°	5.4
90°	0.0

(END OF REPORT)