

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: P366279

Luminaire Tested: **FLD6BX40D010-FEU6B35-8035-F6LBXVM1-WMH-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366279
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-48)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX40D010-FEU6B35-8035-F6LBXVM1-WMH-BL89AM
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1567.0 lumens
Efficiency: N/A
Efficacy: 38.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

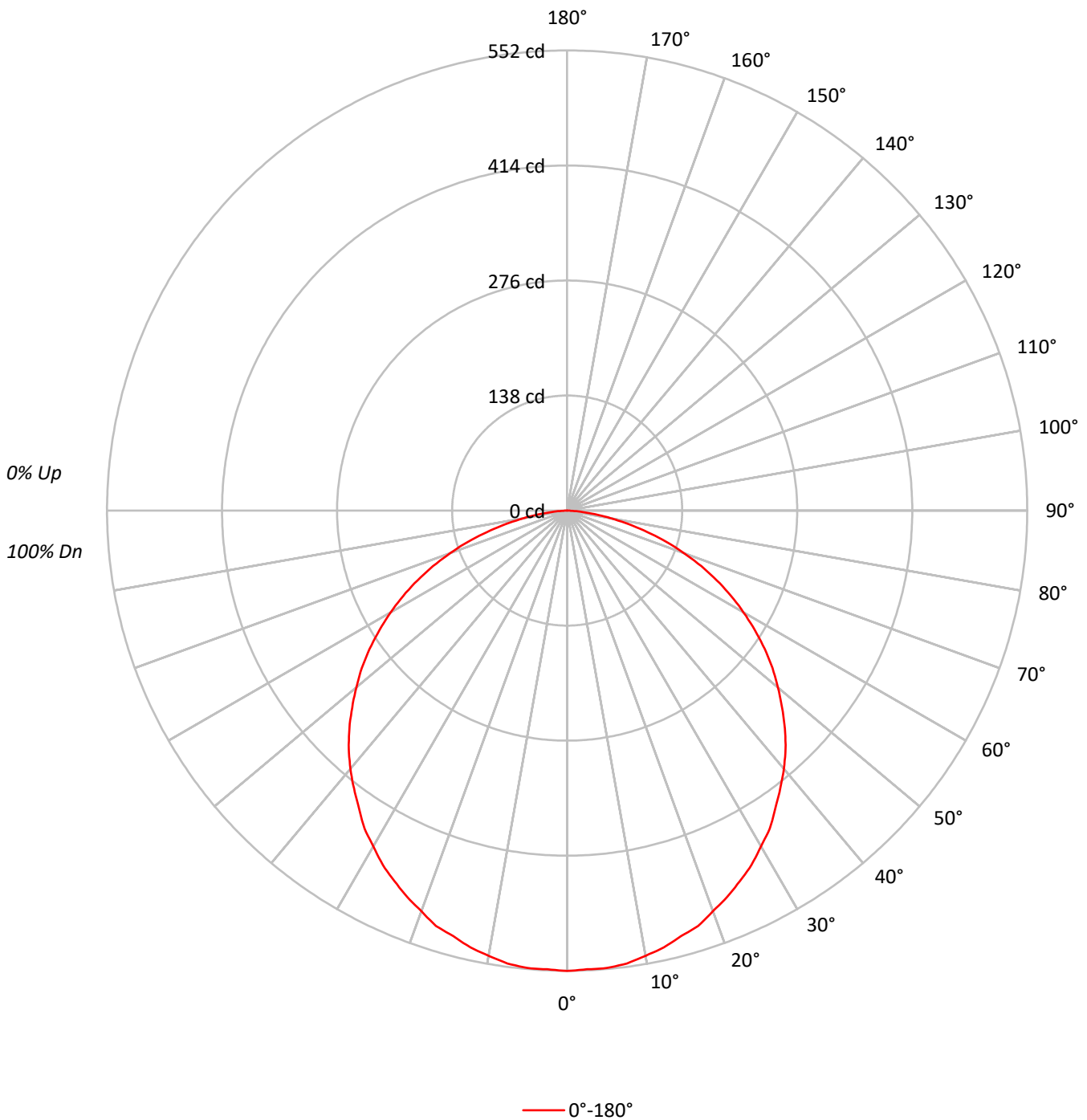
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	83	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°	15083
5°	15103
10°	15042
15°	14940
20°	14866
25°	14780
30°	14670
35°	14525
40°	14427
45°	14274
50°	14032
55°	13782
60°	13357
65°	12804
70°	11892
75°	10533
80°	8400
85°	4858



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.3	3.3
10°-20°	149.4	9.5
20°-30°	226.1	14.4
30°-40°	273.0	17.4
40°-50°	284.7	18.2
50°-60°	258.1	16.5
60°-70°	195.7	12.5
70°-80°	105.9	6.8
80°-90°	21.8	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°	427.8	27.3
0°-40°	700.8	44.7
0°-60°	1243.6	79.4
0°-90°	1567.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1567.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	552	
5°	551	52
15°	528	149
25°	490	226
35°	436	273
45°	370	285
55°	289	258
65°	198	196
75°	100	106
85°	16	22
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	552.2
2.5°	550.8
5°	550.8
7.5°	548.0
10°	542.3
12.5°	536.7
15°	528.3
17.5°	522.7
20°	511.4
22.5°	501.6
25°	490.4
27.5°	479.1
30°	465.1
32.5°	452.4
35°	435.6
37.5°	420.1
40°	404.6
42.5°	387.8
45°	369.5
47.5°	349.8
50°	330.2
52.5°	310.5
55°	289.4
57.5°	267.0
60°	244.5
62.5°	222.0
65°	198.1
67.5°	174.2
70°	148.9
72.5°	125.0
75°	99.8
77.5°	75.9
80°	53.4
82.5°	33.7
85°	15.5
87.5°	4.2
90°	0.0

(END OF REPORT)