

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: P365577

Luminaire Tested: **FLD6BX40D010-FEU6B35-8040-F6LBXVM1-MW-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365577
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: FLD6BX40D010-FEU6B35-8040-F6LBXVM1-MW-BL89AM
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1441.0 lumens
Efficiency: N/A
Efficacy: 35.5 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

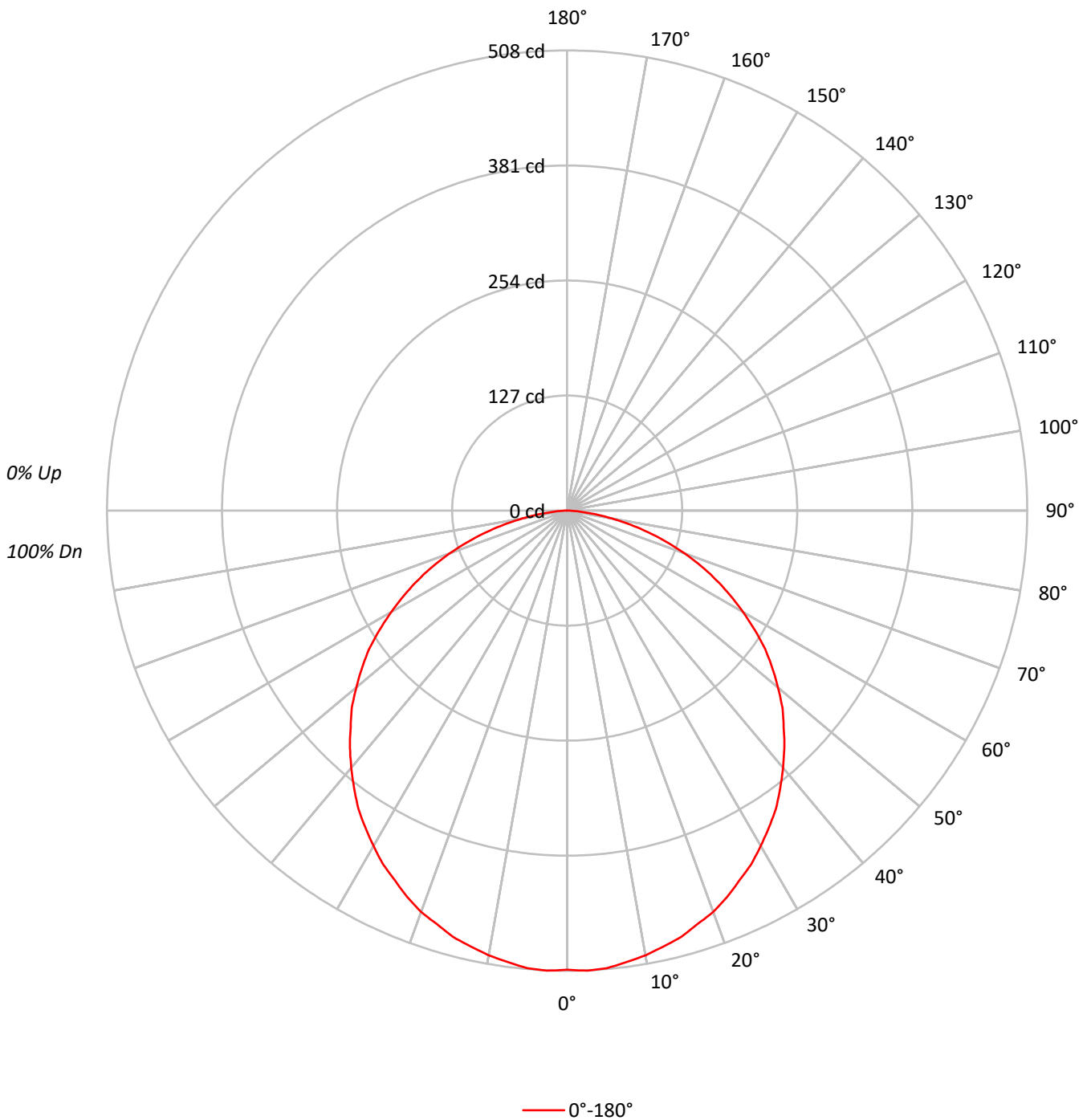
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	13849
5°	13902
10°	13827
15°	13775
20°	13706
25°	13569
30°	13484
35°	13402
40°	13218
45°	13057
50°	12914
55°	12715
60°	12259
65°	11750
70°	11005
75°	9741
80°	7818
85°	4450



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.1	3.3
10°-20°	137.3	9.5
20°-30°	207.9	14.4
30°-40°	250.9	17.4
40°-50°	261.2	18.1
50°-60°	237.6	16.5
60°-70°	179.7	12.5
70°-80°	98.1	6.8
80°-90°	20.3	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°	393.3	27.3
0°-40°	644.2	44.7
0°-60°	1143.0	79.3
0°-90°	1441.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1441.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	507	
5°	507	48
15°	487	137
25°	450	208
35°	402	251
45°	338	261
55°	267	238
65°	182	180
75°	92	98
85°	14	20
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	507.0
2.5°	508.4
5°	507.0
7.5°	502.7
10°	498.5
12.5°	492.8
15°	487.1
17.5°	478.6
20°	471.5
22.5°	461.6
25°	450.2
27.5°	440.2
30°	427.5
32.5°	414.7
35°	401.9
37.5°	386.3
40°	370.7
42.5°	355.0
45°	338.0
47.5°	322.4
50°	303.9
52.5°	285.5
55°	267.0
57.5°	245.7
60°	224.4
62.5°	203.1
65°	181.8
67.5°	160.5
70°	137.8
72.5°	115.0
75°	92.3
77.5°	71.0
80°	49.7
82.5°	31.2
85°	14.2
87.5°	4.3
90°	0.0

(END OF REPORT)