

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: P365554

Luminaire Tested: **FLD6BX40D010-FEU6B35-8030-F6LBXVM1-MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365554
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX40D010-FEU6B35-8030-F6LBXVM1-MW
Description: VANDAL RESISTANT OPEN, MATTE WHITE REFLECTOR, 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3540.0 lumens
Efficiency: N/A
Efficacy: 87.2 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.94
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

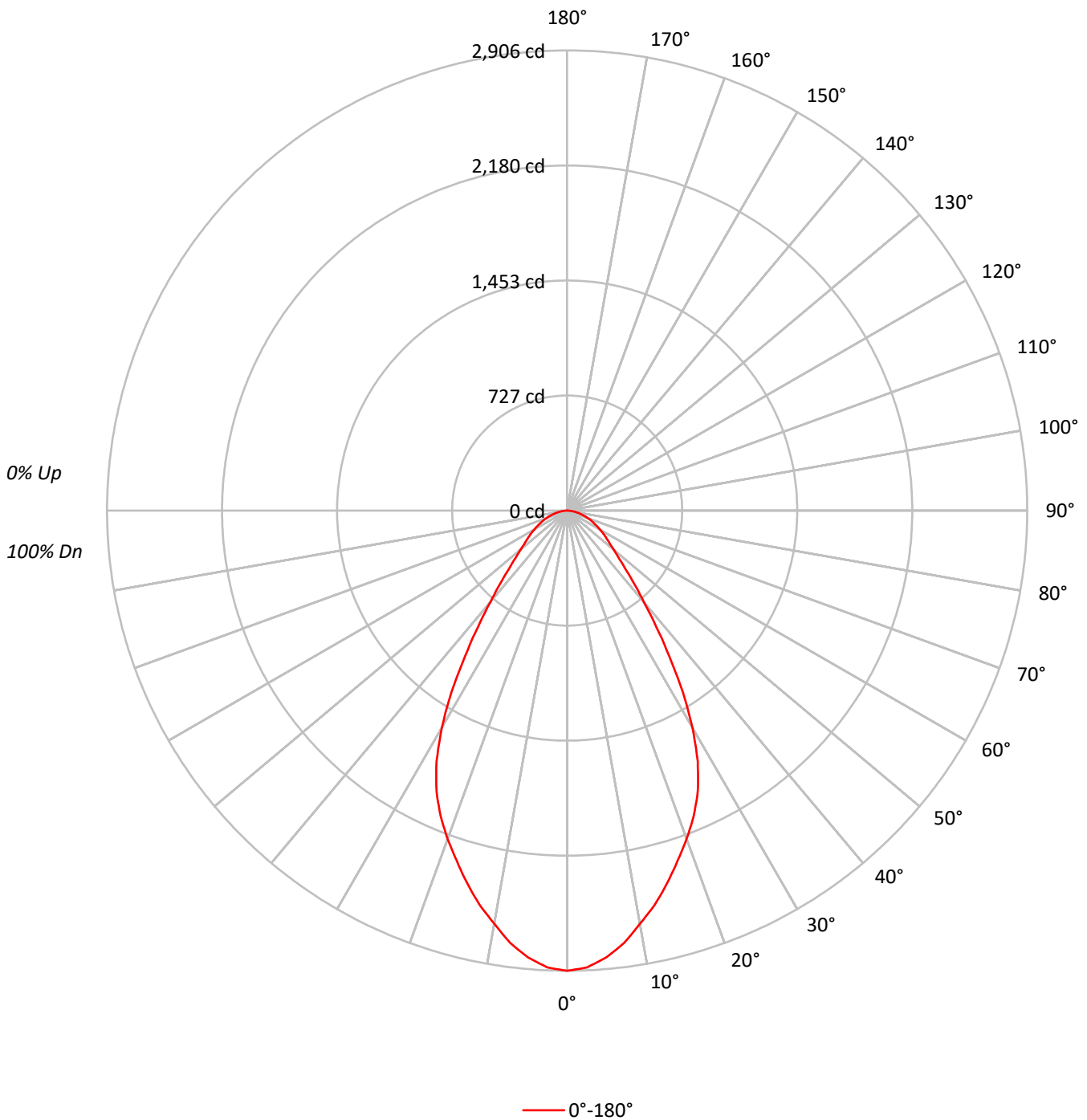
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	100	102	99	97		98	96	94		94	93	91	89
2	104	98	93	88	102	96	91	87	93	89	85		89	86	83		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	74		80	76	73	71
4	91	81	75	69	89	80	74	69	78	72	68		76	71	67		74	70	66	64
5	85	75	68	62	83	74	67	62	72	66	61		70	65	61		68	64	60	59
6	80	69	62	57	78	68	61	56	67	61	56		65	60	56		64	59	55	54
7	75	64	57	52	74	63	57	52	62	56	51		61	55	51		60	55	51	49
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56	51	47	45
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	44	42
10	64	52	46	41	63	52	45	41	51	45	41		50	45	41		49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	79384
5°	77669
10°	73483
15°	68930
20°	64128
25°	58865
30°	49882
35°	37467
40°	26886
45°	20111
50°	16208
55°	14382
60°	13068
65°	11977
70°	10965
75°	10037
80°	8951
85°	7365



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.6	7.5
10°-20°	683.4	19.3
20°-30°	885.1	25.0
30°-40°	708.4	20.0
40°-50°	413.1	11.7
50°-60°	272.3	7.7
60°-70°	184.8	5.2
70°-80°	101.1	2.9
80°-90°	27.2	0.8
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°	1833.1	51.8
0°-40°	2541.5	71.8
0°-60°	3226.9	91.2
0°-90°	3540.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3540.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2906	
5°	2833	265
15°	2438	683
25°	1953	885
35°	1124	708
45°	521	413
55°	302	272
65°	185	185
75°	95	101
85°	24	27
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2906.2
2.5°	2887.5
5°	2832.6
7.5°	2754.2
10°	2649.3
12.5°	2551.2
15°	2437.5
17.5°	2318.8
20°	2206.1
22.5°	2088.4
25°	1953.1
27.5°	1785.5
30°	1581.5
32.5°	1360.9
35°	1123.6
37.5°	924.6
40°	754.0
42.5°	624.6
45°	520.6
47.5°	441.2
50°	381.4
52.5°	336.3
55°	302.0
57.5°	270.6
60°	239.2
62.5°	211.8
65°	185.3
67.5°	161.8
70°	137.3
72.5°	115.7
75°	95.1
77.5°	75.5
80°	56.9
82.5°	39.2
85°	23.5
87.5°	8.8
90°	0.0

(END OF REPORT)