

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: P365594

Luminaire Tested: **FLD6BX40D010-FEU6B35-8050-F6LBXVM1-MW-BL87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365594
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-39)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX40D010-FEU6B35-8050-F6LBXVM1-MW-BL87
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.375", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3159.0 lumens
Efficiency: N/A
Efficacy: 77.8 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.95
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

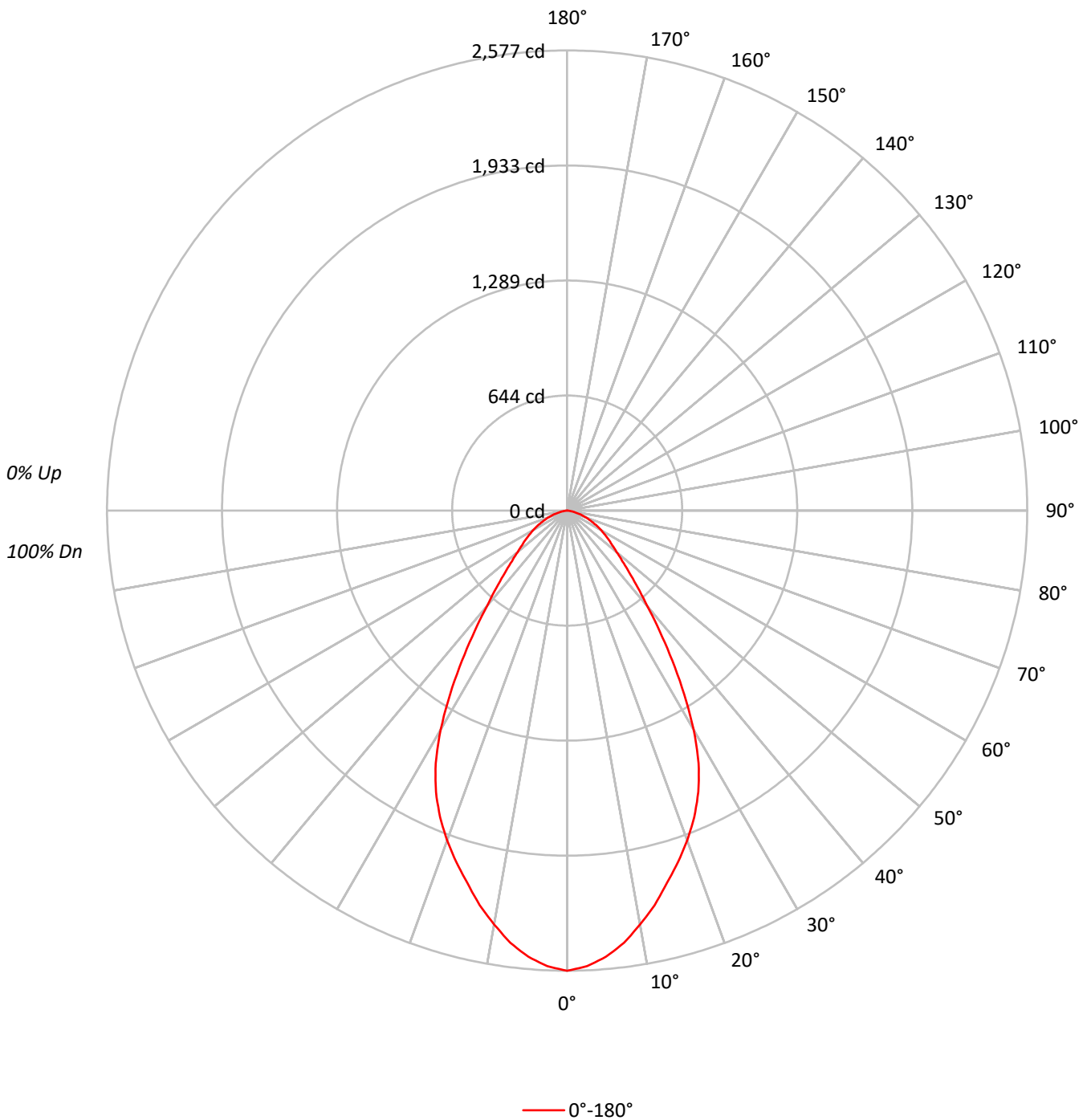
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	102	100	98		98	96	95		95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87	84	82	80
3	98	89	83	78	95	88	82	78	85	80	76		83	78	75		80	77	74	72
4	91	82	75	70	89	81	74	69	78	73	68		76	71	68		74	70	67	65
5	85	75	68	63	84	74	67	62	72	66	62		70	65	61		69	64	61	59
6	80	69	62	57	79	69	62	57	67	61	56		65	60	56		64	59	56	54
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	60	53	48	70	59	53	48	58	52	48		57	51	47		56	51	47	46
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	46	41	51	45	41		50	45	41		49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	70394
5°	68752
10°	65273
15°	61040
20°	57125
25°	52394
30°	44700
35°	34219
40°	24878
45°	18979
50°	15379
55°	13496
60°	11991
65°	10425
70°	8825
75°	6902
80°	4577
85°	1818



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.5	7.4
10°-20°	607.0	19.2
20°-30°	789.2	25.0
30°-40°	643.2	20.4
40°-50°	388.3	12.3
50°-60°	255.0	8.1
60°-70°	161.1	5.1
70°-80°	70.4	2.2
80°-90°	10.3	0.3
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°	1630.7	51.6
0°-40°	2273.8	72.0
0°-60°	2917.2	92.3
0°-90°	3159.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3159.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2577	
5°	2507	235
15°	2158	607
25°	1738	789
35°	1026	643
45°	491	388
55°	283	255
65°	161	161
75°	65	70
85°	6	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2577.1
2.5°	2553.9
5°	2507.4
7.5°	2440.5
10°	2353.3
12.5°	2263.2
15°	2158.5
17.5°	2064.0
20°	1965.2
22.5°	1859.1
25°	1738.4
27.5°	1594.5
30°	1417.2
32.5°	1219.5
35°	1026.2
37.5°	848.9
40°	697.7
42.5°	584.3
45°	491.3
47.5°	418.6
50°	361.9
52.5°	318.3
55°	283.4
57.5°	250.0
60°	219.5
62.5°	190.4
65°	161.3
67.5°	135.2
70°	110.5
72.5°	87.2
75°	65.4
77.5°	45.1
80°	29.1
82.5°	16.0
85°	5.8
87.5°	1.5
90°	0.0

(END OF REPORT)