

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: P365576

Luminaire Tested: **FLD6BX40D010-FEU6B35-8040-F6LBXVM1-MW-BL87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365576
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-FEU6B35-8040-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: 3084.0 lumens
Efficiency: N/A
Efficacy: 76.0 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

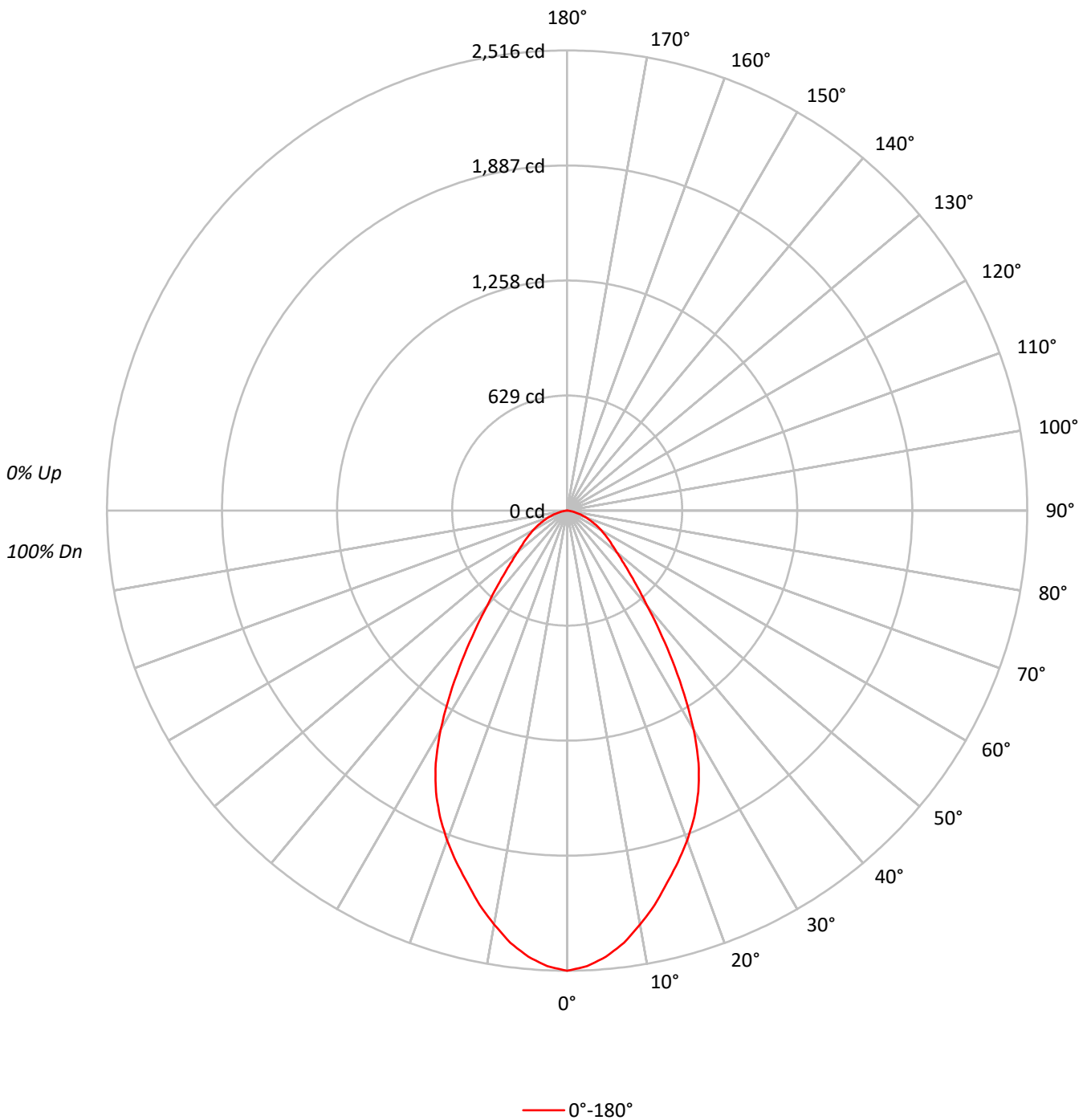
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	68725
5°	67118
10°	63722
15°	59592
20°	55768
25°	51152
30°	43640
35°	33406
40°	24286
45°	18527
50°	15013
55°	13177
60°	11707
65°	10180
70°	8609
75°	6744
80°	4467
85°	1786



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.9	7.4
10°-20°	592.6	19.2
20°-30°	770.5	25.0
30°-40°	627.9	20.4
40°-50°	379.1	12.3
50°-60°	249.0	8.1
60°-70°	157.3	5.1
70°-80°	68.7	2.2
80°-90°	10.0	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°	1592.0	51.6
0°-40°	2219.9	72.0
0°-60°	2848.0	92.3
0°-90°	3084.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3084.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2516	
5°	2448	229
15°	2107	593
25°	1697	770
35°	1002	628
45°	480	379
55°	277	249
65°	158	157
75°	64	69
85°	6	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2516.0
2.5°	2493.3
5°	2447.8
7.5°	2382.6
10°	2297.4
12.5°	2209.4
15°	2107.3
17.5°	2015.0
20°	1918.5
22.5°	1815.0
25°	1697.2
27.5°	1556.7
30°	1383.6
32.5°	1190.6
35°	1001.8
37.5°	828.7
40°	681.1
42.5°	570.5
45°	479.6
47.5°	408.7
50°	353.3
52.5°	310.8
55°	276.7
57.5°	244.1
60°	214.3
62.5°	185.9
65°	157.5
67.5°	132.0
70°	107.8
72.5°	85.1
75°	63.9
77.5°	44.0
80°	28.4
82.5°	15.6
85°	5.7
87.5°	1.4
90°	0.0

(END OF REPORT)