

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: P365524

Luminaire Tested: **FLD6BX40D010-FEU6B35-8027-F6LBXVM1-MW-BL89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365524
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-34)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX40D010-FEU6B35-8027-F6LBXVM1-MW-BL89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS ACRYLIC, CLEAR 0.125", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3191.0 lumens
Efficiency: N/A
Efficacy: 78.6 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

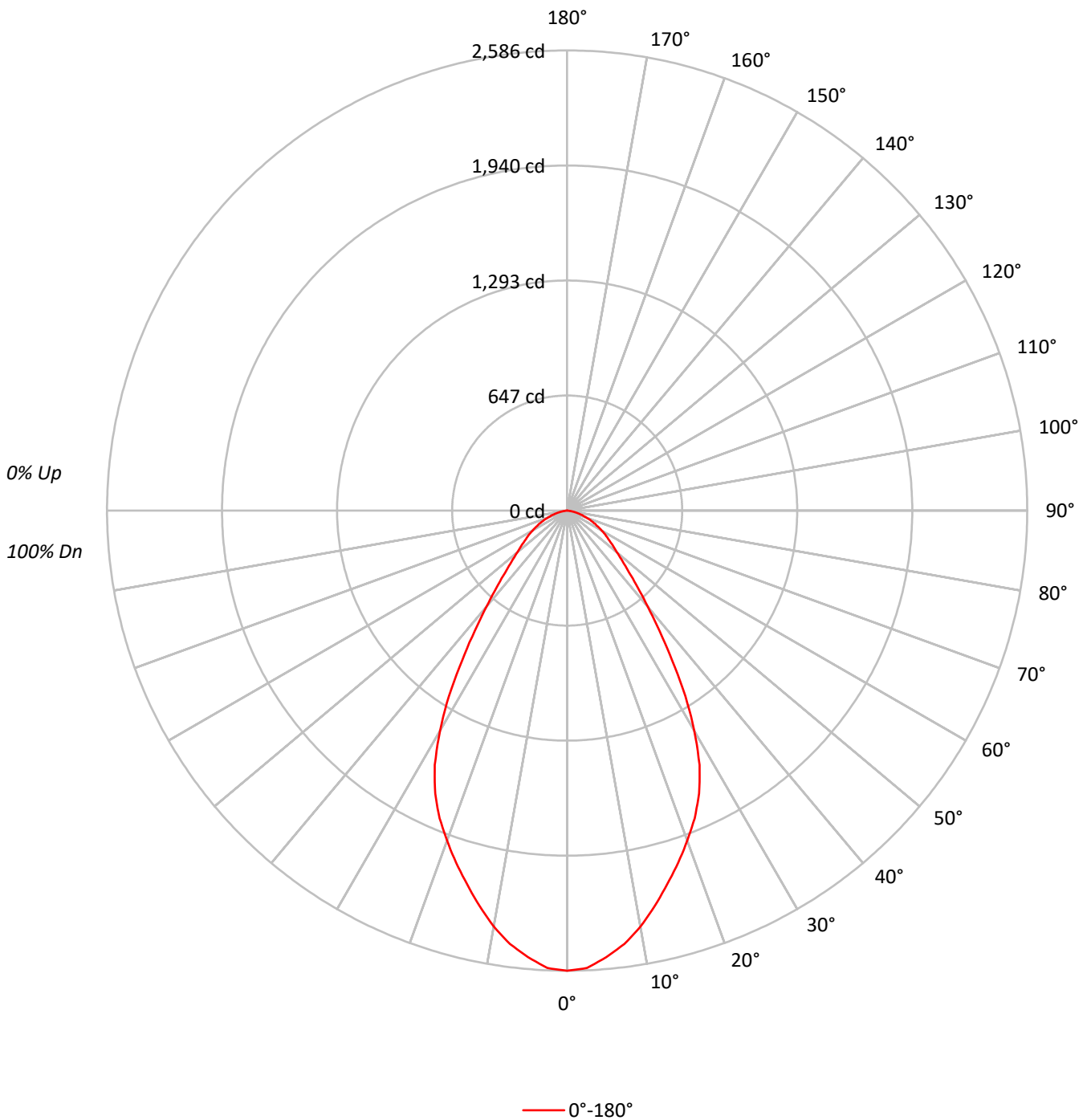
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	97		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	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68		76	71	67		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	78	68	62	57	67	61	56		65	60	56		64	59	55	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	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	62	52	45	41	51	45	41		50	45	41		49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	70637
5°	69065
10°	65844
15°	61467
20°	57363
25°	52885
30°	45040
35°	34263
40°	25085
45°	19083
50°	15506
55°	13615
60°	12237
65°	10813
70°	9152
75°	7229
80°	4971
85°	2068



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.0	7.4
10°-20°	610.6	19.1
20°-30°	795.6	24.9
30°-40°	647.8	20.3
40°-50°	390.6	12.2
50°-60°	259.0	8.1
60°-70°	166.2	5.2
70°-80°	74.0	2.3
80°-90°	11.1	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°	1642.2	51.5
0°-40°	2290.0	71.8
0°-60°	2939.7	92.1
0°-90°	3191.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3191.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2586	
5°	2519	236
15°	2174	611
25°	1755	796
35°	1028	648
45°	494	391
55°	286	259
65°	167	166
75°	68	74
85°	7	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2586.0
2.5°	2572.8
5°	2518.8
7.5°	2456.9
10°	2373.9
12.5°	2275.1
15°	2173.6
17.5°	2074.8
20°	1973.4
22.5°	1872.0
25°	1754.7
27.5°	1611.1
30°	1428.0
32.5°	1237.0
35°	1027.5
37.5°	852.3
40°	703.5
42.5°	586.2
45°	494.0
47.5°	421.6
50°	364.9
52.5°	324.1
55°	285.9
57.5°	255.6
60°	224.0
62.5°	195.0
65°	167.3
67.5°	141.0
70°	114.6
72.5°	90.9
75°	68.5
77.5°	48.7
80°	31.6
82.5°	17.1
85°	6.6
87.5°	1.3
90°	0.0

(END OF REPORT)