

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: P365544

Luminaire Tested: **FLD6BX40D010-FEU6B35-8030-F6LBXVM1-MW-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365544
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-14)
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-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2387.0 lumens
Efficiency: N/A
Efficacy: 58.8 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.95
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

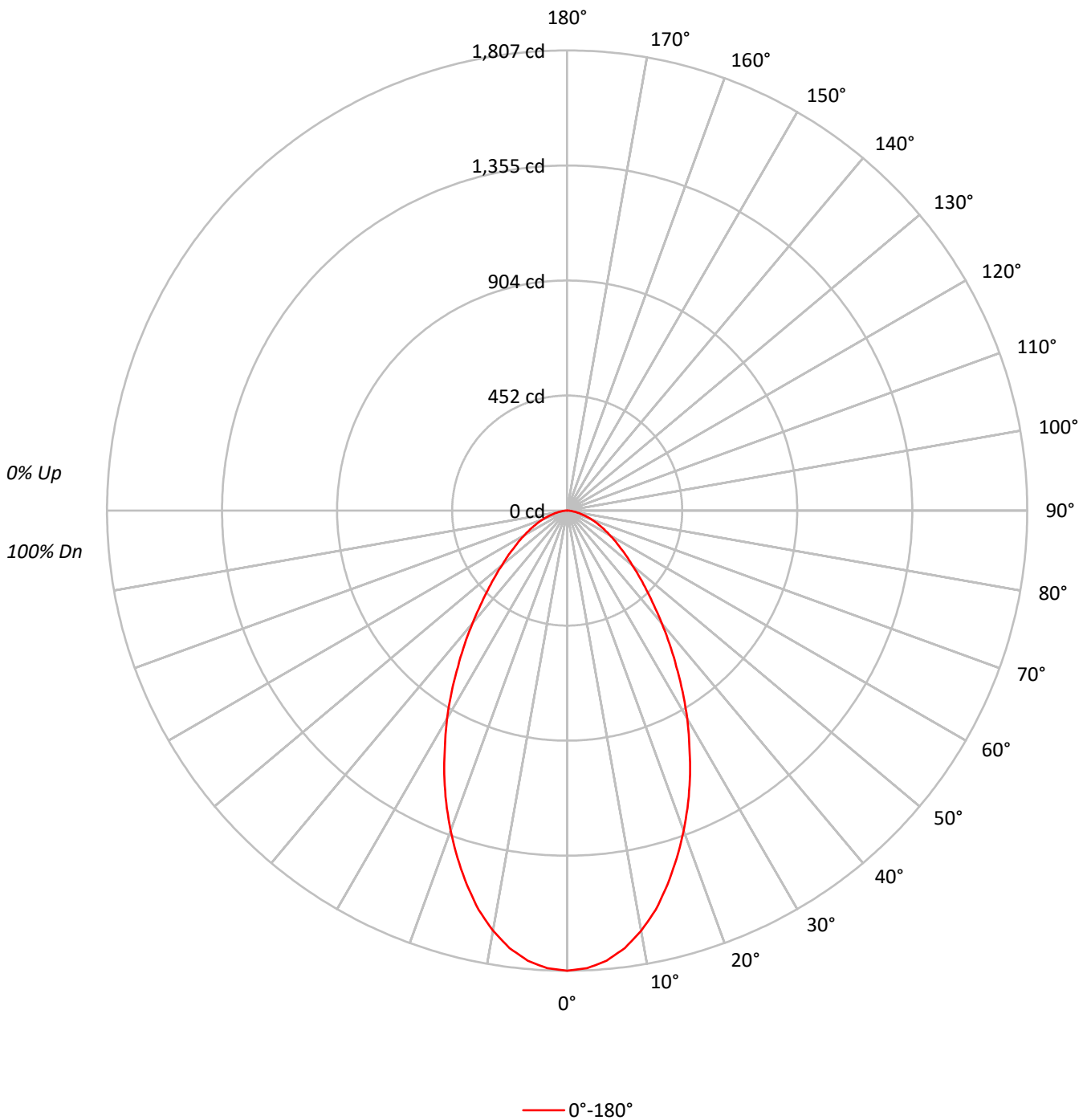
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	104	101	109	105	102	99	101	99	96		97	95	93		94	92	91	89
2	103	97	91	87	101	95	90	86	92	88	84		89	85	82		86	83	80	78
3	96	88	81	76	94	86	80	75	83	78	74		81	76	73		78	75	72	70
4	90	80	73	67	88	79	72	67	76	70	66		74	69	65		72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59		68	63	59		66	62	58	56
6	78	67	60	54	77	66	59	54	65	58	54		63	57	53		62	57	53	51
7	74	62	55	49	72	61	54	49	60	53	49		59	53	49		57	52	48	47
8	69	58	50	45	68	57	50	45	56	49	45		55	49	45		53	48	44	43
9	65	54	46	42	64	53	46	42	52	46	41		51	45	41		50	45	41	39
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	129385
5°	127500
10°	121769
15°	112726
20°	101929
25°	90246
30°	77941
35°	65321
40°	54025
45°	44595
50°	37250
55°	31958
60°	27782
65°	24482
70°	21312
75°	17899
80°	14762
85°	11337



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.2	7.0
10°-20°	424.8	17.8
20°-30°	522.6	21.9
30°-40°	468.5	19.6
40°-50°	342.9	14.4
50°-60°	231.8	9.7
60°-70°	144.0	6.0
70°-80°	69.6	2.9
80°-90°	16.5	0.7
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°	1113.6	46.7
0°-40°	1582.1	66.3
0°-60°	2156.9	90.4
0°-90°	2387.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2387.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1807	
5°	1774	166
15°	1521	425
25°	1142	523
35°	747	469
45°	440	343
55°	256	232
65°	144	144
75°	65	70
85°	14	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1807.0
2.5°	1798.7
5°	1773.9
7.5°	1732.6
10°	1674.8
12.5°	1606.0
15°	1520.7
17.5°	1431.3
20°	1337.7
22.5°	1241.3
25°	1142.3
27.5°	1039.0
30°	942.7
32.5°	843.6
35°	747.3
37.5°	660.6
40°	578.0
42.5°	503.7
45°	440.4
47.5°	384.0
50°	334.4
52.5°	294.5
55°	256.0
57.5°	224.3
60°	194.0
62.5°	167.9
65°	144.5
67.5°	122.5
70°	101.8
72.5°	82.6
75°	64.7
77.5°	48.2
80°	35.8
82.5°	23.4
85°	13.8
87.5°	5.5
90°	0.0

(END OF REPORT)