

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: P365581

Luminaire Tested: **FLD6BX40D010-FEU6B35-8040-F6LBXVM1-MW-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365581
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-19)
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-BTR81
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2234.0 lumens
Efficiency: N/A
Efficacy: 55.0 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.19
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

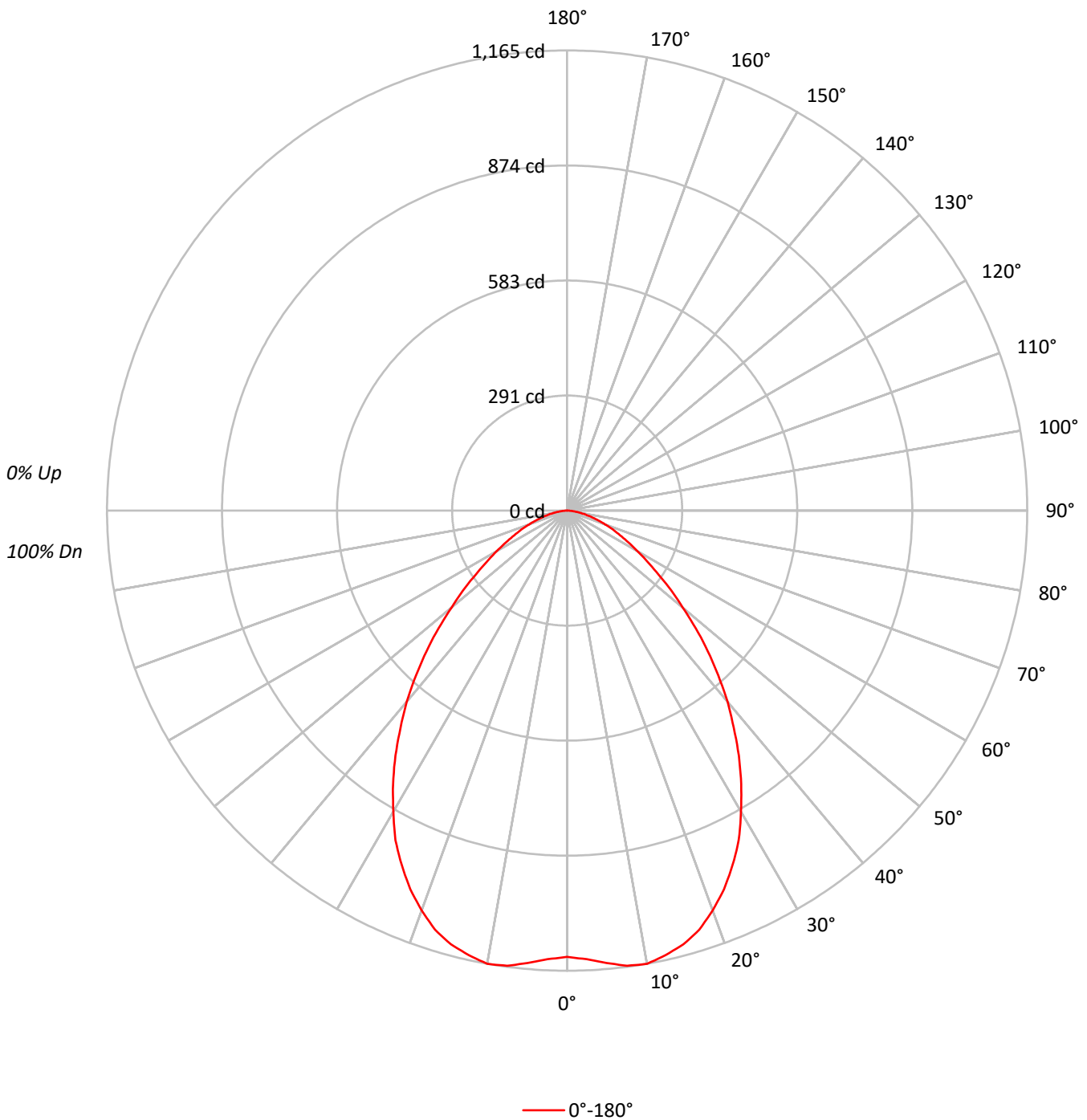
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	100	108	105	101	99	101	98	96		97	95	93		93	91	90	88
2	103	96	90	85	100	94	89	84	90	86	82		87	84	80		84	81	79	77
3	95	86	79	73	93	84	78	73	81	76	71		79	74	70		76	72	69	67
4	88	77	70	64	86	76	69	64	74	68	63		72	66	62		70	65	61	59
5	82	70	62	57	80	69	62	56	67	61	56		65	60	55		64	59	55	53
6	76	64	56	51	74	63	56	50	62	55	50		60	54	49		58	53	49	47
7	71	59	51	45	69	58	51	45	57	50	45		55	49	45		54	49	44	43
8	66	54	46	41	65	54	46	41	52	46	41		51	45	41		50	45	40	39
9	62	50	43	38	61	50	42	37	48	42	37		47	41	37		46	41	37	35
10	59	47	39	34	58	46	39	34	45	39	34		44	38	34		43	38	34	32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	80889
5°	82628
10°	84718
15°	84268
20°	82080
25°	78269
30°	72757
35°	66248
40°	59035
45°	51015
50°	42530
55°	35253
60°	29471
65°	25007
70°	21396
75°	17678
80°	14061
85°	10516



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.3	4.9
10°-20°	319.3	14.3
20°-30°	454.2	20.3
30°-40°	472.3	21.1
40°-50°	388.1	17.4
50°-60°	256.3	11.5
60°-70°	148.5	6.6
70°-80°	69.2	3.1
80°-90°	15.8	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°	883.8	39.6
0°-40°	1356.1	60.7
0°-60°	2000.5	89.5
0°-90°	2234.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2234.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1130	
5°	1150	110
15°	1137	319
25°	991	454
35°	758	472
45°	504	388
55°	282	256
65°	148	149
75°	64	69
85°	13	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1129.7
2.5°	1136.8
5°	1149.6
7.5°	1162.4
10°	1165.2
12.5°	1152.5
15°	1136.8
17.5°	1112.7
20°	1077.2
22.5°	1037.5
25°	990.7
27.5°	941.0
30°	880.0
32.5°	820.3
35°	757.9
37.5°	692.6
40°	631.6
42.5°	566.3
45°	503.8
47.5°	441.4
50°	381.8
52.5°	332.1
55°	282.4
57.5°	241.3
60°	205.8
62.5°	174.6
65°	147.6
67.5°	124.9
70°	102.2
72.5°	82.3
75°	63.9
77.5°	48.3
80°	34.1
82.5°	22.7
85°	12.8
87.5°	5.7
90°	0.0

(END OF REPORT)