

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: P365563

Luminaire Tested: **FLD6BX40D010-FEU6B35-8035-F6LBXVM1-MW-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365563
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-FEU6B35-8035-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: 2211.0 lumens
Efficiency: N/A
Efficacy: 54.5 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

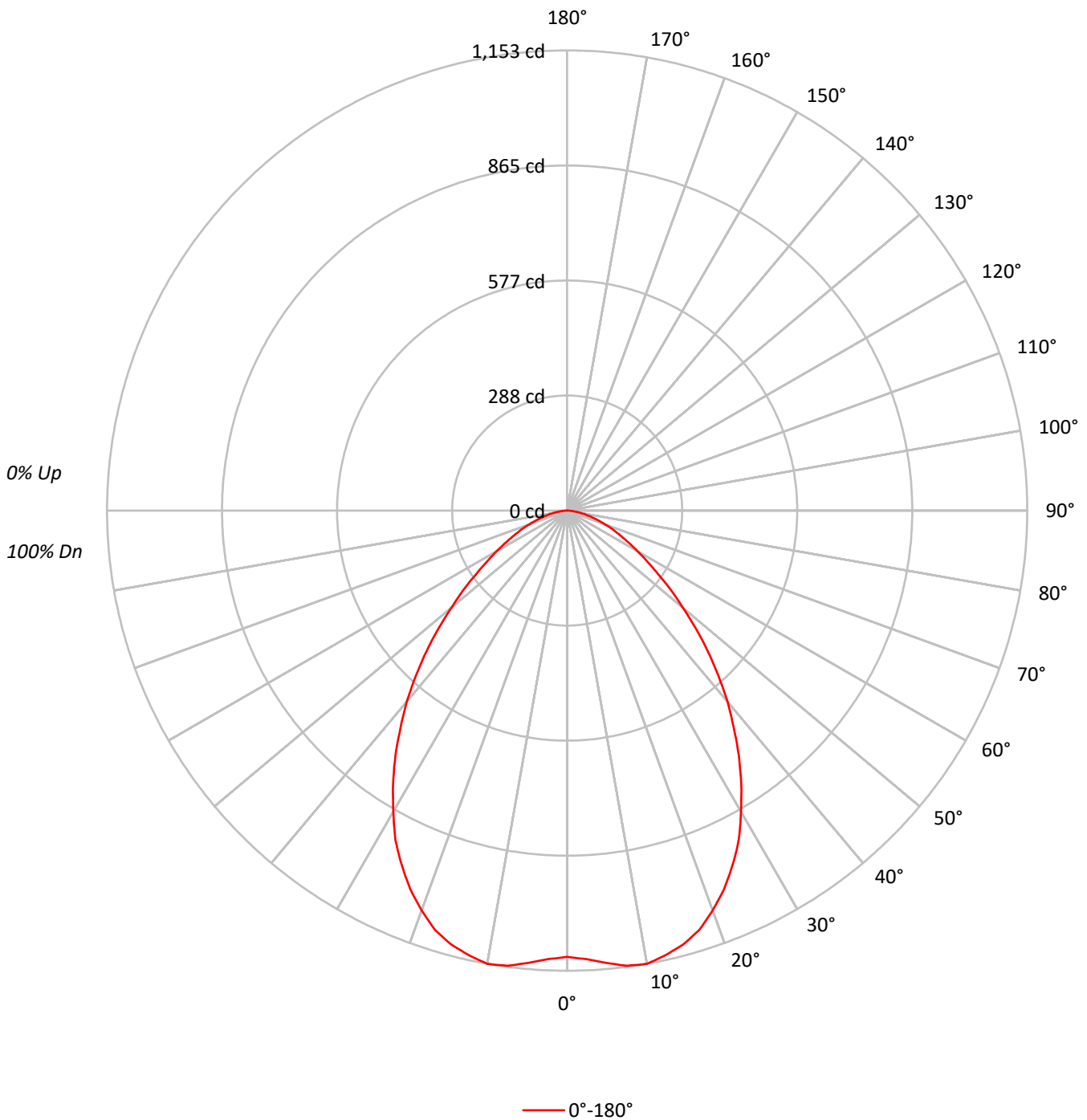
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	80058
5°	81780
10°	83845
15°	83401
20°	81234
25°	77463
30°	72005
35°	65566
40°	58428
45°	50499
50°	42095
55°	34891
60°	29171
65°	24753
70°	21165
75°	17484
80°	13896
85°	10351



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.2	4.9
10°-20°	316.0	14.3
20°-30°	449.5	20.3
30°-40°	467.4	21.1
40°-50°	384.1	17.4
50°-60°	253.7	11.5
60°-70°	147.0	6.6
70°-80°	68.5	3.1
80°-90°	15.7	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°	874.7	39.6
0°-40°	1342.1	60.7
0°-60°	1979.9	89.5
0°-90°	2211.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2211.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1118	
5°	1138	109
15°	1125	316
25°	980	449
35°	750	467
45°	499	384
55°	280	254
65°	146	147
75°	63	68
85°	13	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1118.1
2.5°	1125.1
5°	1137.8
7.5°	1150.4
10°	1153.2
12.5°	1140.6
15°	1125.1
17.5°	1101.3
20°	1066.1
22.5°	1026.8
25°	980.5
27.5°	931.3
30°	870.9
32.5°	811.9
35°	750.1
37.5°	685.5
40°	625.1
42.5°	560.5
45°	498.7
47.5°	436.9
50°	377.9
52.5°	328.7
55°	279.5
57.5°	238.8
60°	203.7
62.5°	172.8
65°	146.1
67.5°	123.6
70°	101.1
72.5°	81.5
75°	63.2
77.5°	47.8
80°	33.7
82.5°	22.5
85°	12.6
87.5°	5.6
90°	0.0

(END OF REPORT)