

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: P365598

Luminaire Tested: **FLD6BX40D010-FEU6B35-8050-F6LBXVM1-MW-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365598
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-FEU6B35-8050-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: 2521.0 lumens
Efficiency: N/A
Efficacy: 62.1 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

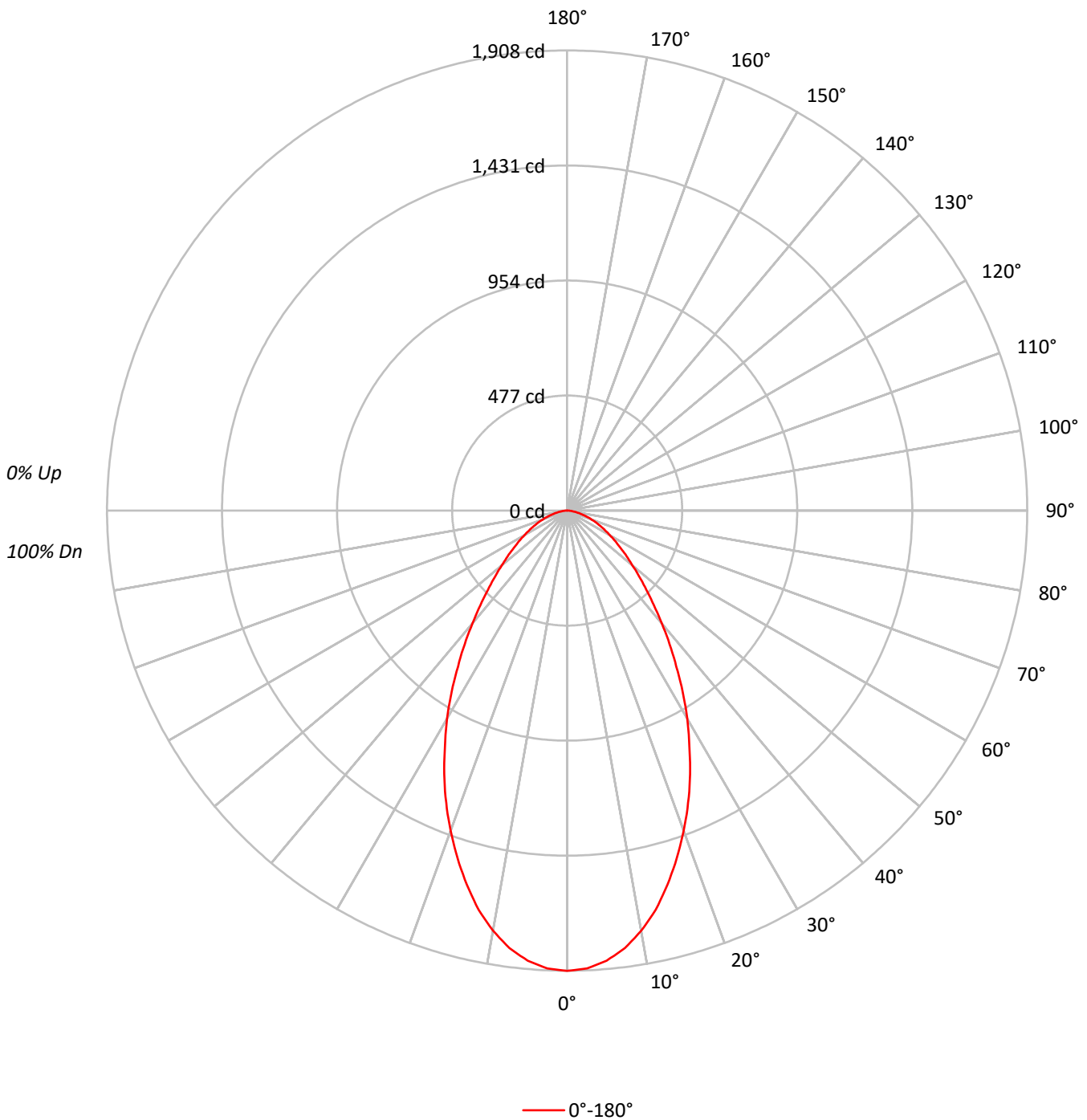
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	136645
5°	134658
10°	128610
15°	119056
20°	107651
25°	95310
30°	82315
35°	68984
40°	57063
45°	47096
50°	39344
55°	33743
60°	29342
65°	25854
70°	22526
75°	18895
80°	15586
85°	11912



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.5	7.0
10°-20°	448.7	17.8
20°-30°	551.9	21.9
30°-40°	494.8	19.6
40°-50°	362.1	14.4
50°-60°	244.8	9.7
60°-70°	152.1	6.0
70°-80°	73.5	2.9
80°-90°	17.4	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°	1176.1	46.7
0°-40°	1671.0	66.3
0°-60°	2277.9	90.4
0°-90°	2521.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2521.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1908	
5°	1874	176
15°	1606	449
25°	1206	552
35°	789	495
45°	465	362
55°	270	245
65°	153	152
75°	68	74
85°	14	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1908.4
2.5°	1899.7
5°	1873.5
7.5°	1829.9
10°	1768.9
12.5°	1696.2
15°	1606.1
17.5°	1511.6
20°	1412.8
22.5°	1311.0
25°	1206.4
27.5°	1097.4
30°	995.6
32.5°	891.0
35°	789.2
37.5°	697.7
40°	610.5
42.5°	532.0
45°	465.1
47.5°	405.5
50°	353.2
52.5°	311.0
55°	270.3
57.5°	236.9
60°	204.9
62.5°	177.3
65°	152.6
67.5°	129.4
70°	107.6
72.5°	87.2
75°	68.3
77.5°	50.9
80°	37.8
82.5°	24.7
85°	14.5
87.5°	5.8
90°	0.0

(END OF REPORT)