

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: P365545

Luminaire Tested: **FLD6BX40D010-FEU6B35-8030-F6LBXVM1-MW-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365545
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-FEU6B35-8030-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: 2167.0 lumens
Efficiency: N/A
Efficacy: 53.4 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

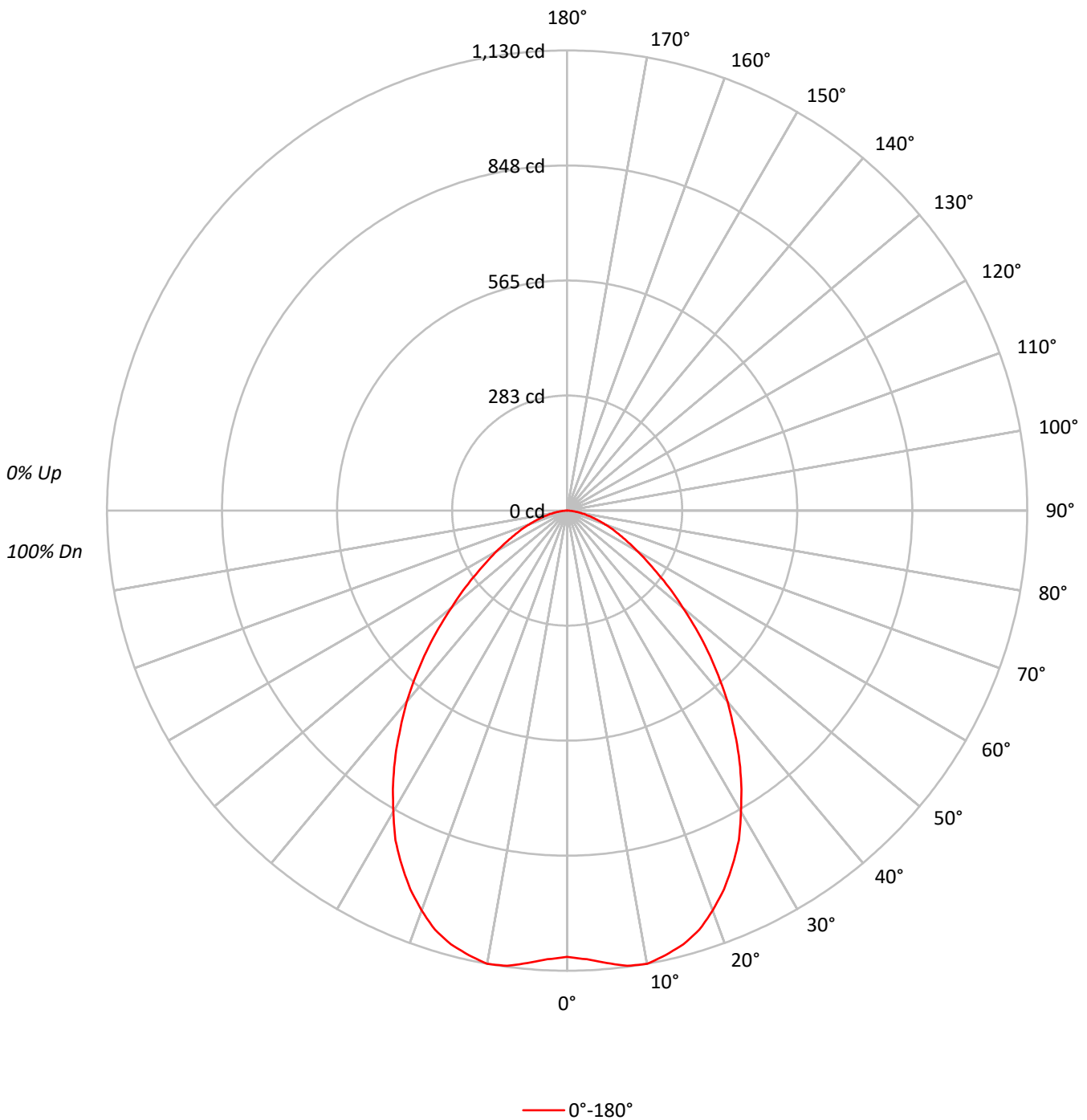
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	78468
5°	80148
10°	82180
15°	81741
20°	79618
25°	75915
30°	70575
35°	64264
40°	57259
45°	49486
50°	41249
55°	34205
60°	28583
65°	24262
70°	20747
75°	17152
80°	13607
85°	10187



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.0	4.9
10°-20°	309.7	14.3
20°-30°	440.6	20.3
30°-40°	458.1	21.1
40°-50°	376.5	17.4
50°-60°	248.6	11.5
60°-70°	144.1	6.6
70°-80°	67.1	3.1
80°-90°	15.3	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°	857.3	39.6
0°-40°	1315.4	60.7
0°-60°	1940.5	89.5
0°-90°	2167.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2167.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1096	
5°	1115	107
15°	1103	310
25°	961	441
35°	735	458
45°	489	376
55°	274	249
65°	143	144
75°	62	67
85°	12	15
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1095.9
2.5°	1102.7
5°	1115.1
7.5°	1127.5
10°	1130.3
12.5°	1117.9
15°	1102.7
17.5°	1079.3
20°	1044.9
22.5°	1006.4
25°	960.9
27.5°	912.8
30°	853.6
32.5°	795.7
35°	735.2
37.5°	671.8
40°	612.6
42.5°	549.3
45°	488.7
47.5°	428.2
50°	370.3
52.5°	322.2
55°	274.0
57.5°	234.0
60°	199.6
62.5°	169.3
65°	143.2
67.5°	121.2
70°	99.1
72.5°	79.8
75°	62.0
77.5°	46.8
80°	33.0
82.5°	22.0
85°	12.4
87.5°	5.5
90°	0.0

(END OF REPORT)