

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: P364879

Luminaire Tested: **FLD6BX40D010-FEU6B35-8050-F6LBXVM1-LI-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364879
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-25)
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-LI-BTR81
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3206.0 lumens
Efficiency: N/A
Efficacy: 79.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.19
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

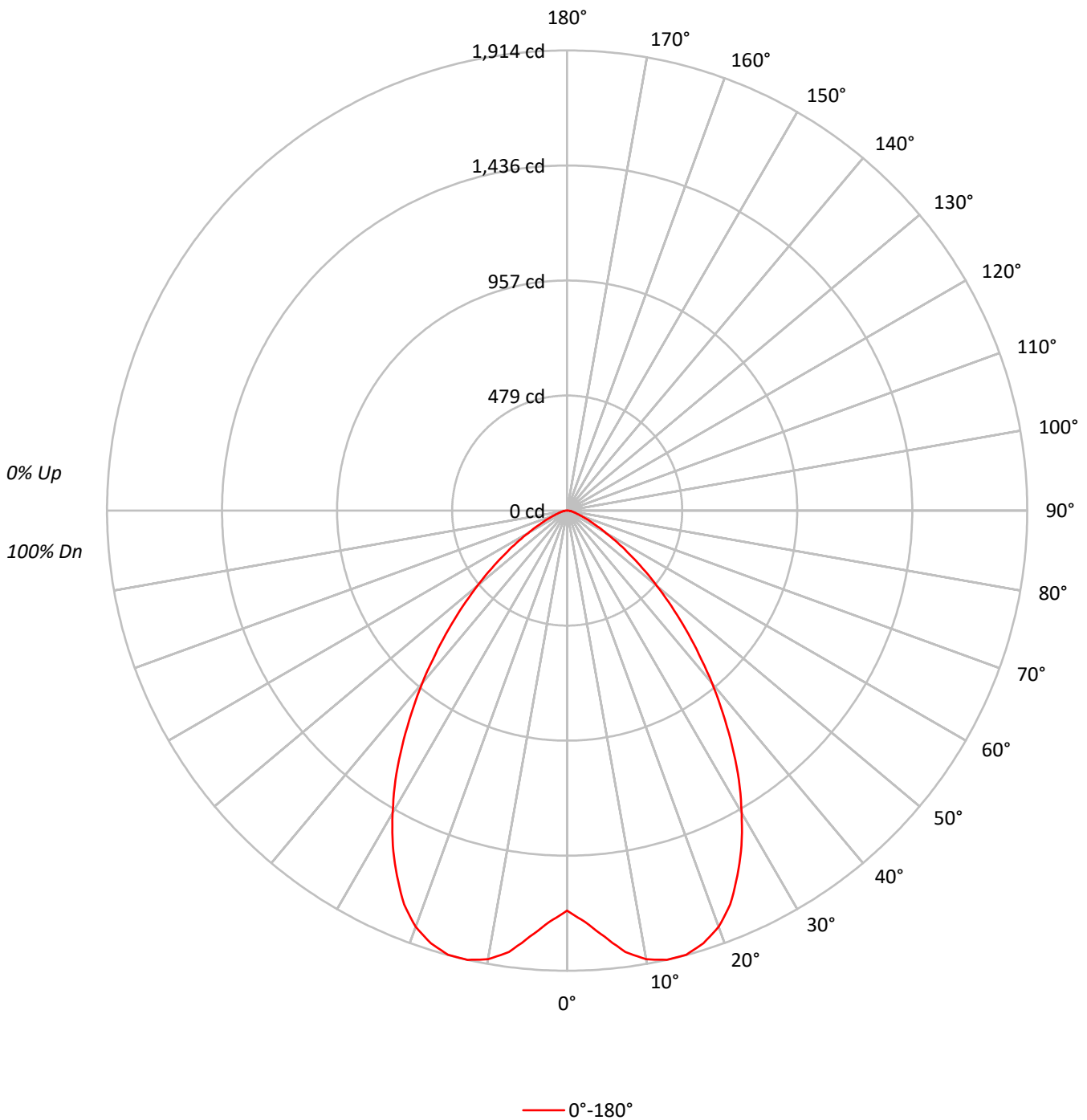
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P364879

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8050-F6LBXVM1-LI-BTR81

Luminous Intensity Polar Plot





TEST NUMBER: P364879

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8050-F6LBXVM1-LI-BTR81

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	112	108	105	102	109	106	103	101	102	100	98		98	96	95		95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	76	73	72
4	91	81	74	69	89	80	73	68	78	72	68		75	71	67		73	69	66	64
5	85	74	67	61	83	73	66	61	71	65	61		69	64	60		68	63	59	58
6	79	68	61	55	77	67	60	55	66	59	55		64	59	54		63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50		59	54	49		58	53	49	47
8	70	58	51	46	68	57	50	46	56	50	45		55	49	45		54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	42		51	46	41		50	45	41	40
10	62	50	43	39	61	50	43	38	49	43	38		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	119153
5°	127859
10°	137793
15°	141777
20°	140424
25°	132387
30°	120041
35°	104682
40°	87759
45°	70639
50°	54393
55°	39547
60°	26851
65°	17722
70°	11556
75°	8853
80°	7793
85°	9530



TEST NUMBER: P364879

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8050-F6LBXVM1-LI-BTR81

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.7	5.4
10°-20°	536.6	16.7
20°-30°	766.2	23.9
30°-40°	745.4	23.2
40°-50°	539.2	16.8
50°-60°	289.0	9.0
60°-70°	109.0	3.4
70°-80°	35.8	1.1
80°-90°	11.3	0.4
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°	1476.4	46.1
0°-40°	2221.8	69.3
0°-60°	3050.0	95.1
0°-90°	3206.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3206.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1664	
5°	1779	174
15°	1913	537
25°	1676	766
35°	1198	745
45°	698	539
55°	317	289
65°	105	109
75°	32	36
85°	12	11
90°	0	



TEST NUMBER: P364879

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8050-F6LBXVM1-LI-BTR81

CANDELA DISTRIBUTION (FULL):

0°	
0°	1664.1
2.5°	1712.1
5°	1778.9
7.5°	1851.6
10°	1895.2
12.5°	1914.1
15°	1912.6
17.5°	1886.5
20°	1842.9
22.5°	1773.1
25°	1675.7
27.5°	1571.1
30°	1451.9
32.5°	1329.8
35°	1197.6
37.5°	1063.9
40°	938.9
42.5°	811.0
45°	697.6
47.5°	587.2
50°	488.3
52.5°	396.8
55°	316.8
57.5°	248.5
60°	187.5
62.5°	141.0
65°	104.6
67.5°	75.6
70°	55.2
72.5°	42.1
75°	32.0
77.5°	24.7
80°	18.9
82.5°	14.5
85°	11.6
87.5°	5.8
90°	0.0

(END OF REPORT)