

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: P366285

Luminaire Tested: **FLD6BX40D010-FEU6B35-8035-F6LBXVM1-WMH-BTR84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366285
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-30)
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-WMH-BTR84
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.125", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3128.0 lumens
Efficiency: N/A
Efficacy: 77.0 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.8
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

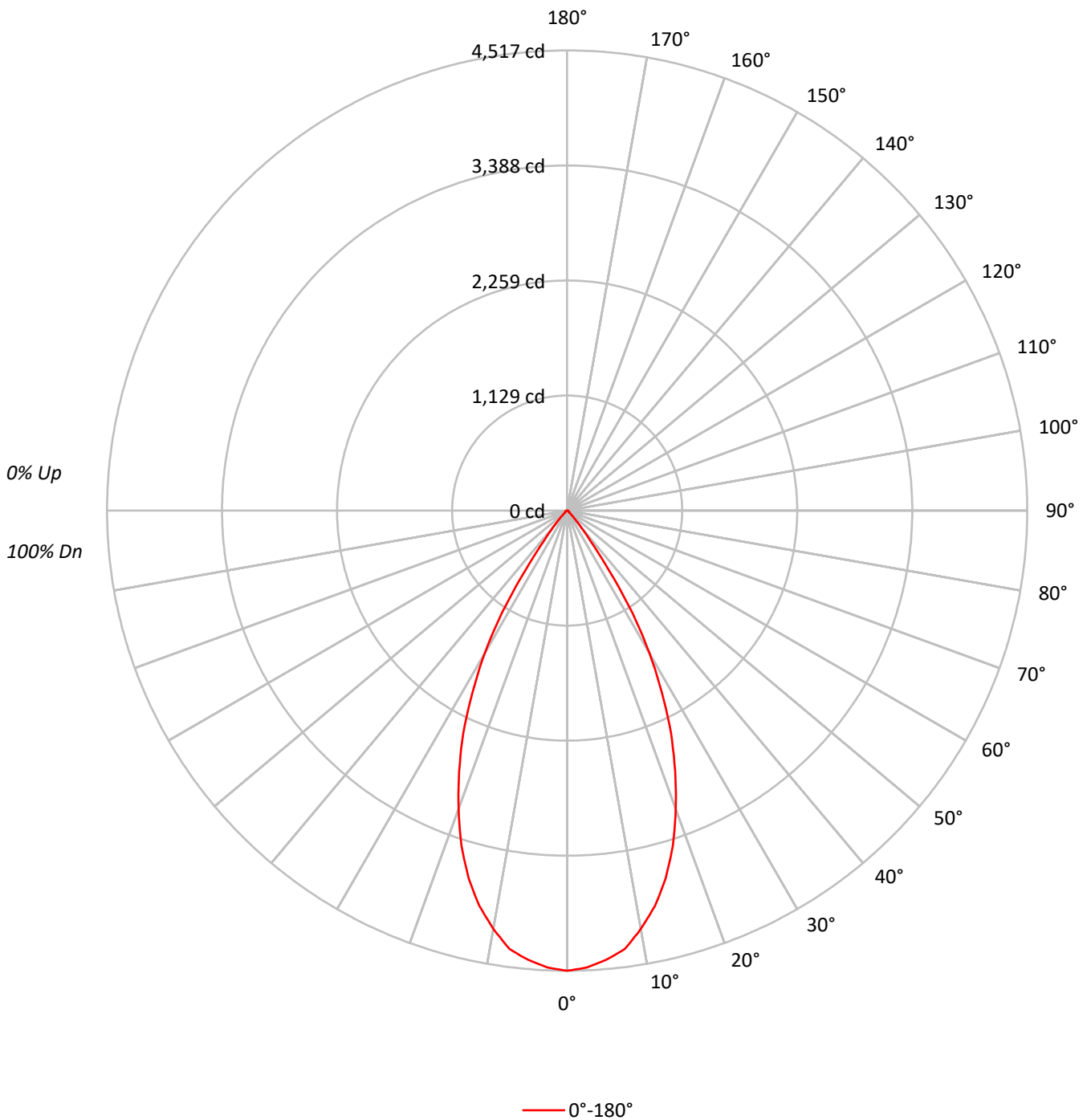
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89	87	84	83
4	99	92	87	83	97	91	86	82	89	85	81		87	83	80		85	82	80	78
5	94	87	81	77	93	86	81	77	84	80	76		82	79	76		81	78	75	74
6	90	82	76	72	89	81	76	72	80	75	72		78	74	71		77	74	71	69
7	86	78	72	68	85	77	72	68	76	71	68		75	70	67		73	70	67	66
8	82	74	68	64	81	73	68	64	72	67	64		71	67	64		70	66	63	62
9	79	70	64	61	78	69	64	61	69	64	60		68	63	60		67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57		65	60	57		64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	323404
5°	318077
10°	303077
15°	276941
20°	237499
25°	190565
30°	133609
35°	61729
40°	19816
45°	6400
50°	2974
55°	2634
60°	2621
65°	2372
70°	2345
75°	2711
80°	3464
85°	5751



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	415.0	13.3
10°-20°	1033.8	33.1
20°-30°	1085.8	34.7
30°-40°	481.8	15.4
40°-50°	62.3	2.0
50°-60°	19.5	0.6
60°-70°	13.7	0.4
70°-80°	10.0	0.3
80°-90°	6.1	0.2
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°	2534.6	81.0
0°-40°	3016.4	96.4
0°-60°	3098.2	99.0
0°-90°	3128.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3128.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4517	
5°	4425	415
15°	3736	1034
25°	2412	1086
35°	706	482
45°	63	62
55°	21	19
65°	14	14
75°	10	10
85°	7	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4516.7
2.5°	4488.6
5°	4425.4
7.5°	4339.8
10°	4168.5
12.5°	3976.1
15°	3736.0
17.5°	3448.2
20°	3116.9
22.5°	2768.7
25°	2412.1
27.5°	2011.9
30°	1616.0
32.5°	1187.8
35°	706.2
37.5°	376.3
40°	212.0
42.5°	116.5
45°	63.2
47.5°	32.3
50°	26.7
52.5°	23.9
55°	21.1
57.5°	19.7
60°	18.3
62.5°	15.4
65°	14.0
67.5°	11.2
70°	11.2
72.5°	9.8
75°	9.8
77.5°	8.4
80°	8.4
82.5°	7.0
85°	7.0
87.5°	4.2
90°	0.0

(END OF REPORT)