

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: P364818

Luminaire Tested: **FLD6BX40D010-FEU6B35-8030-F6LBXVM1-LI-BL85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364818
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-43)
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-LI-BL85
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,
BOTTOM LENS POLYCARBONATE, CLEAR 0.187", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3640.0 lumens
Efficiency: N/A
Efficacy: 89.7 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.82
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

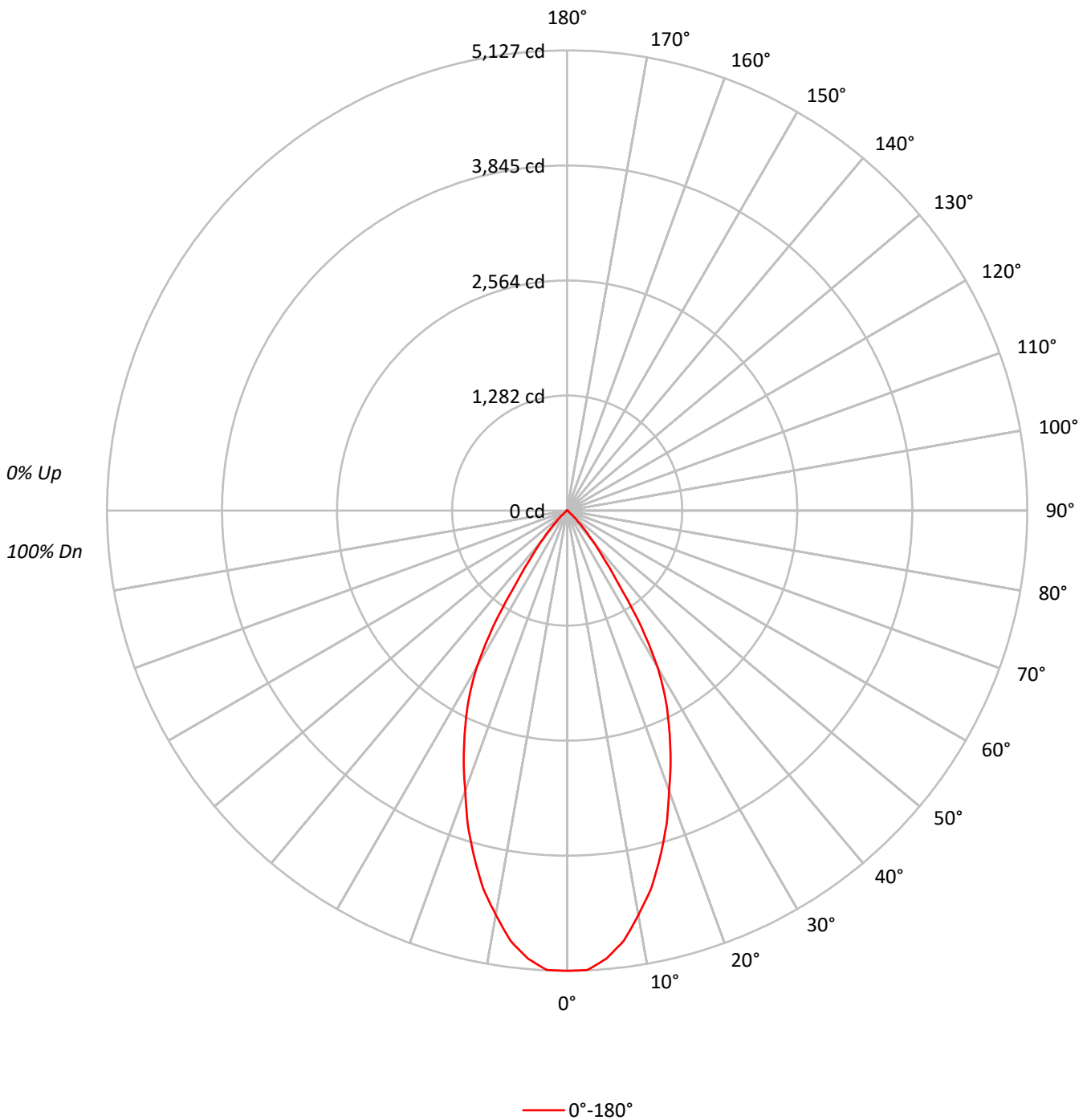
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89	86	84	83
4	99	91	86	82	97	90	85	82	88	84	81		86	83	80		84	81	79	77
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80	77	74	73
6	90	81	75	71	88	80	75	71	79	74	71		77	73	70		76	73	70	68
7	85	77	71	67	84	76	71	67	75	70	66		74	69	66		72	69	66	64
8	82	72	67	63	80	72	67	63	71	66	63		70	65	62		69	65	62	61
9	78	69	63	59	77	68	63	59	67	62	59		66	62	59		66	62	59	57
10	74	65	60	56	74	65	60	56	64	59	56		63	59	56		63	58	56	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	140045
5°	137383
10°	126870
15°	113056
20°	96550
25°	81086
30°	63656
35°	32986
40°	15754
45°	6200
50°	1632
55°	457
60°	300
65°	265
70°	216
75°	285
80°	220
85°	439



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	464.6	12.8
10°-20°	1111.1	30.5
20°-30°	1226.8	33.7
30°-40°	675.0	18.5
40°-50°	142.7	3.9
50°-60°	12.1	0.3
60°-70°	3.7	0.1
70°-80°	2.7	0.1
80°-90°	1.3	0.0
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°	2802.5	77.0
0°-40°	3477.5	95.5
0°-60°	3632.3	99.8
0°-90°	3640.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3640.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5127	
5°	5010	465
15°	3998	1111
25°	2690	1227
35°	989	675
45°	160	143
55°	10	12
65°	4	4
75°	3	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5127.0
2.5°	5124.3
5°	5010.4
7.5°	4834.8
10°	4574.1
12.5°	4314.8
15°	3997.9
17.5°	3675.5
20°	3321.5
22.5°	3011.5
25°	2690.4
27.5°	2380.3
30°	2018.2
32.5°	1540.7
35°	989.2
37.5°	666.8
40°	441.8
42.5°	275.8
45°	160.5
47.5°	82.3
50°	38.4
52.5°	16.5
55°	9.6
57.5°	6.9
60°	5.5
62.5°	4.1
65°	4.1
67.5°	2.7
70°	2.7
72.5°	4.1
75°	2.7
77.5°	1.4
80°	1.4
82.5°	1.4
85°	1.4
87.5°	1.4
90°	0.0

(END OF REPORT)