

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: P365602

Luminaire Tested: **FLD6BX40D010-FEU6B35-8050-F6LBXVM1-MW-BTR85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365602
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-16)
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-BTR85
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2564.0 lumens
Efficiency: N/A
Efficacy: 63.2 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

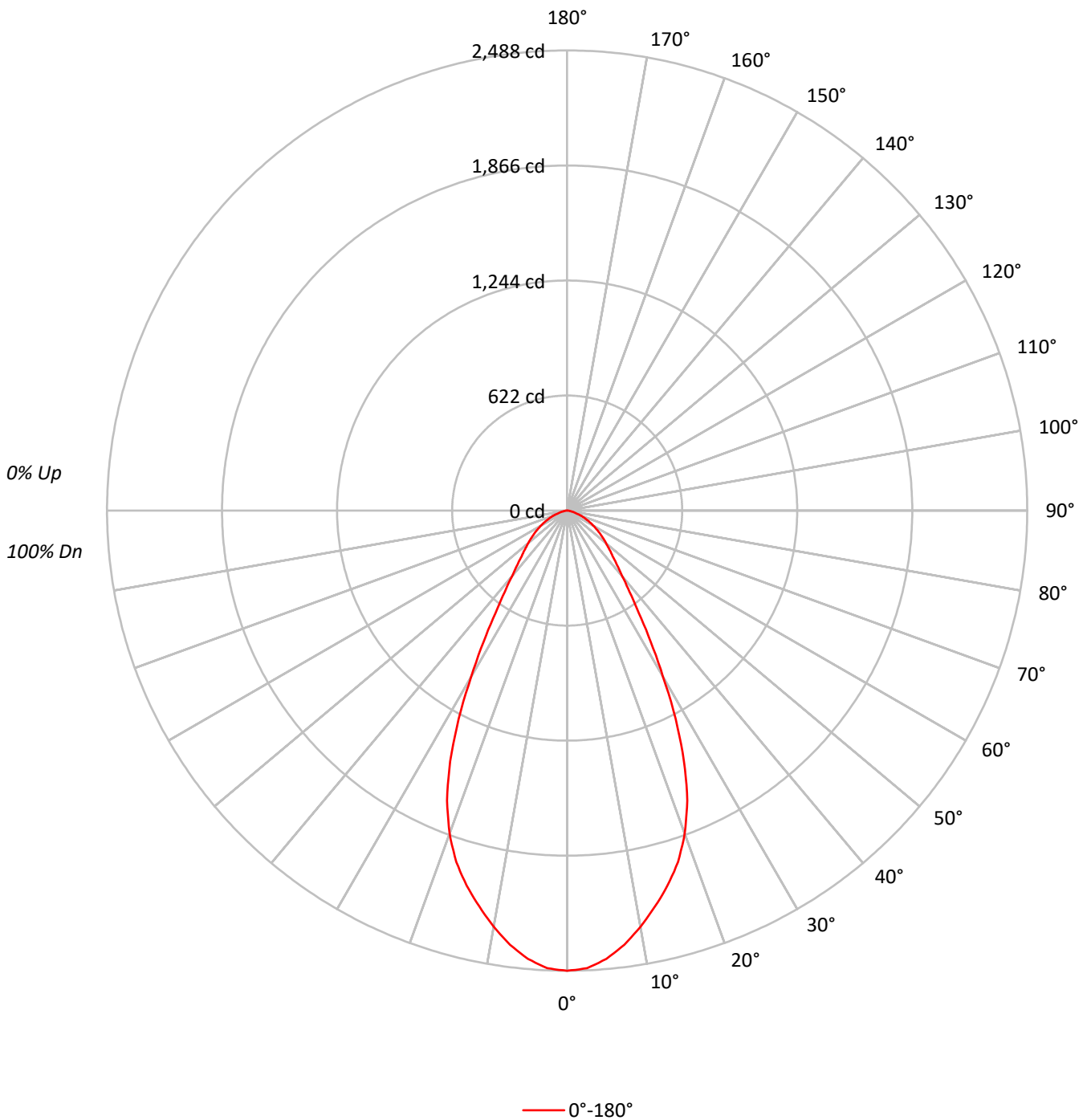
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	101	102	100	98		99	97	95		95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78		84	80	77		82	78	76	74
4	93	84	77	72	91	82	76	72	80	75	71		78	73	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71	67	63	62
6	82	72	65	60	80	71	64	60	69	63	59		68	63	59		66	62	58	57
7	77	67	60	55	76	66	60	55	65	59	55		64	58	54		62	58	54	52
8	73	63	56	51	72	62	55	51	61	55	51		60	54	51		59	54	50	49
9	70	59	52	48	68	58	52	48	57	51	47		56	51	47		55	51	47	45
10	66	55	49	45	65	55	49	44	54	48	44		53	48	44		52	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	178160
5°	174873
10°	166112
15°	155572
20°	141643
25°	118150
30°	85680
35°	58949
40°	43332
45°	35178
50°	30600
55°	27039
60°	23514
65°	19941
70°	16120
75°	11647
80°	7793
85°	8380



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.5	8.9
10°-20°	586.2	22.9
20°-30°	672.7	26.2
30°-40°	435.3	17.0
40°-50°	273.5	10.7
50°-60°	194.6	7.6
60°-70°	117.4	4.6
70°-80°	46.7	1.8
80°-90°	10.1	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°	1486.4	58.0
0°-40°	1921.7	75.0
0°-60°	2389.9	93.2
0°-90°	2564.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2564.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2488	
5°	2433	227
15°	2099	586
25°	1496	673
35°	674	435
45°	347	274
55°	217	195
65°	118	117
75°	42	47
85°	10	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2488.2
2.5°	2476.6
5°	2433.0
7.5°	2367.6
10°	2284.7
12.5°	2193.2
15°	2098.7
17.5°	1992.6
20°	1858.9
22.5°	1697.6
25°	1495.5
27.5°	1270.3
30°	1036.3
32.5°	838.6
35°	674.4
37.5°	553.7
40°	463.6
42.5°	398.2
45°	347.4
47.5°	308.1
50°	274.7
52.5°	245.6
55°	216.6
57.5°	190.4
60°	164.2
62.5°	141.0
65°	117.7
67.5°	95.9
70°	77.0
72.5°	58.1
75°	42.1
77.5°	29.1
80°	18.9
82.5°	11.6
85°	10.2
87.5°	5.8
90°	0.0

(END OF REPORT)