

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: P364916

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-LI-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364916
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-26)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-LI-BTR82
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3735.0 lumens
Efficiency: N/A
Efficacy: 67.8 lumens/watt
Spacing Criteria (0/90/45): 1.07 / 1.07 / 1.07
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

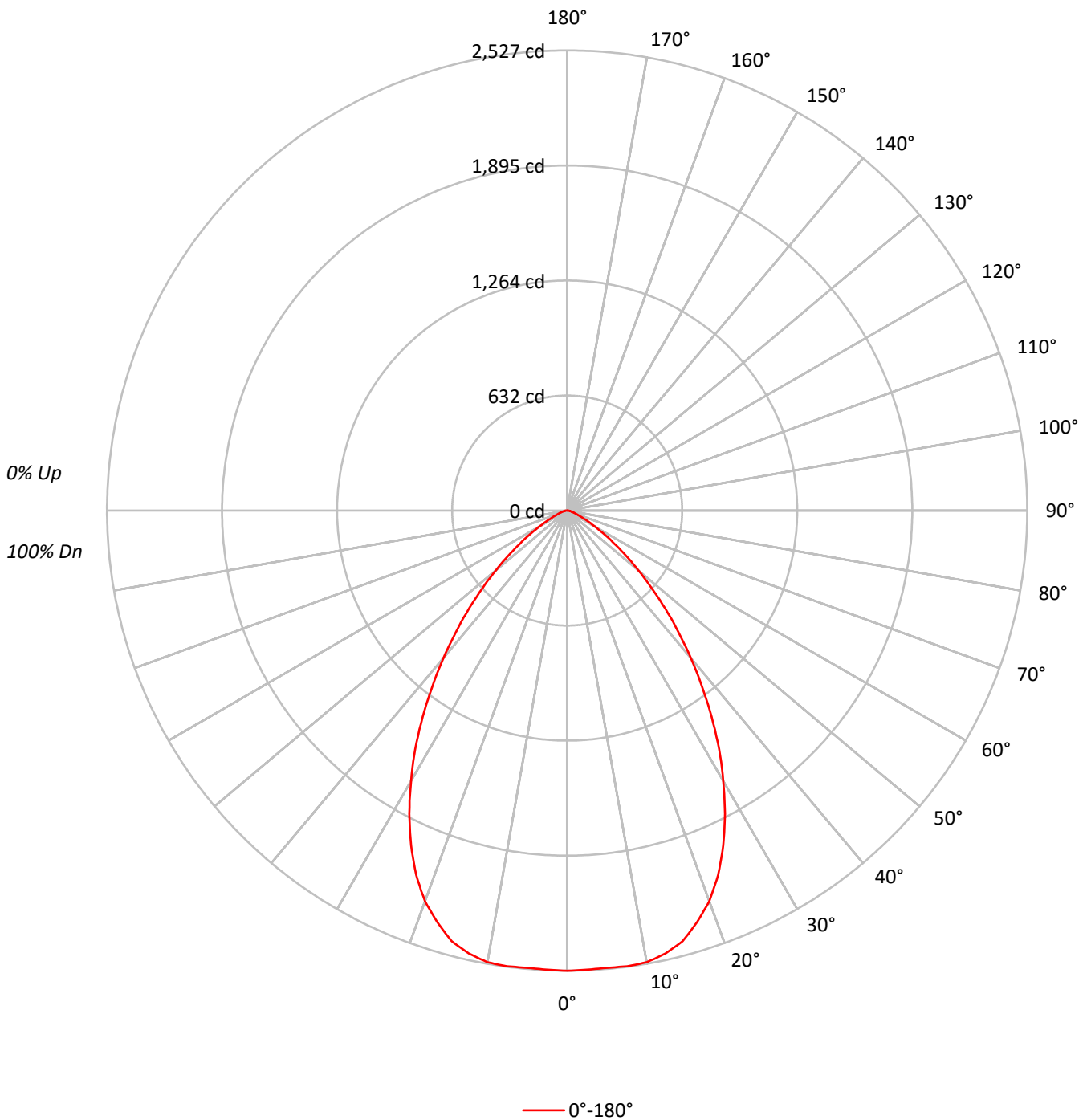
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	93	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	85	83	81
3	98	90	84	79	96	89	83	79	86	81	77		84	80	76		81	78	75	73
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63		71	66	62		69	65	61	60
6	81	70	63	57	79	69	62	57	67	61	57		66	60	56		64	60	56	54
7	76	65	57	52	74	64	57	52	62	56	52		61	56	52		60	55	51	50
8	71	60	53	48	70	59	53	48	58	52	48		57	51	47		56	51	47	46
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	43	42
10	63	52	45	41	62	52	45	41	51	45	41		50	44	40		49	44	40	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	180959
5°	181155
10°	183126
15°	181509
20°	173943
25°	160220
30°	141802
35°	120914
40°	98769
45°	77221
50°	56955
55°	39485
60°	25218
65°	15350
70°	10384
75°	8050
80°	7051
85°	9858



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.7	6.4
10°-20°	684.7	18.3
20°-30°	926.2	24.8
30°-40°	861.5	23.1
40°-50°	590.3	15.8
50°-60°	290.9	7.8
60°-70°	97.2	2.6
70°-80°	32.2	0.9
80°-90°	11.2	0.3
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°	1851.7	49.6
0°-40°	2713.2	72.6
0°-60°	3594.4	96.2
0°-90°	3735.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3735.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2527	
5°	2520	241
15°	2449	685
25°	2028	926
35°	1383	862
45°	763	590
55°	316	291
65°	91	97
75°	29	32
85°	12	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2527.3
2.5°	2523.9
5°	2520.4
7.5°	2523.9
10°	2518.7
12.5°	2491.4
15°	2448.6
17.5°	2370.0
20°	2282.8
22.5°	2166.5
25°	2028.0
27.5°	1877.5
30°	1715.1
32.5°	1552.6
35°	1383.3
37.5°	1215.8
40°	1056.7
42.5°	902.8
45°	762.6
47.5°	629.3
50°	511.3
52.5°	408.7
55°	316.3
57.5°	241.1
60°	176.1
62.5°	126.5
65°	90.6
67.5°	65.0
70°	49.6
72.5°	37.6
75°	29.1
77.5°	22.2
80°	17.1
82.5°	13.7
85°	12.0
87.5°	6.8
90°	0.0

(END OF REPORT)