

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: STREETWORKS

Report Number: P635925

Luminaire Tested: **IFLD-S-SA2A-940-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635925
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-940-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (32) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4898.8 lumens
Efficiency: N/A
Efficacy: 76.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 63.8
Input Voltage (V): 120
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



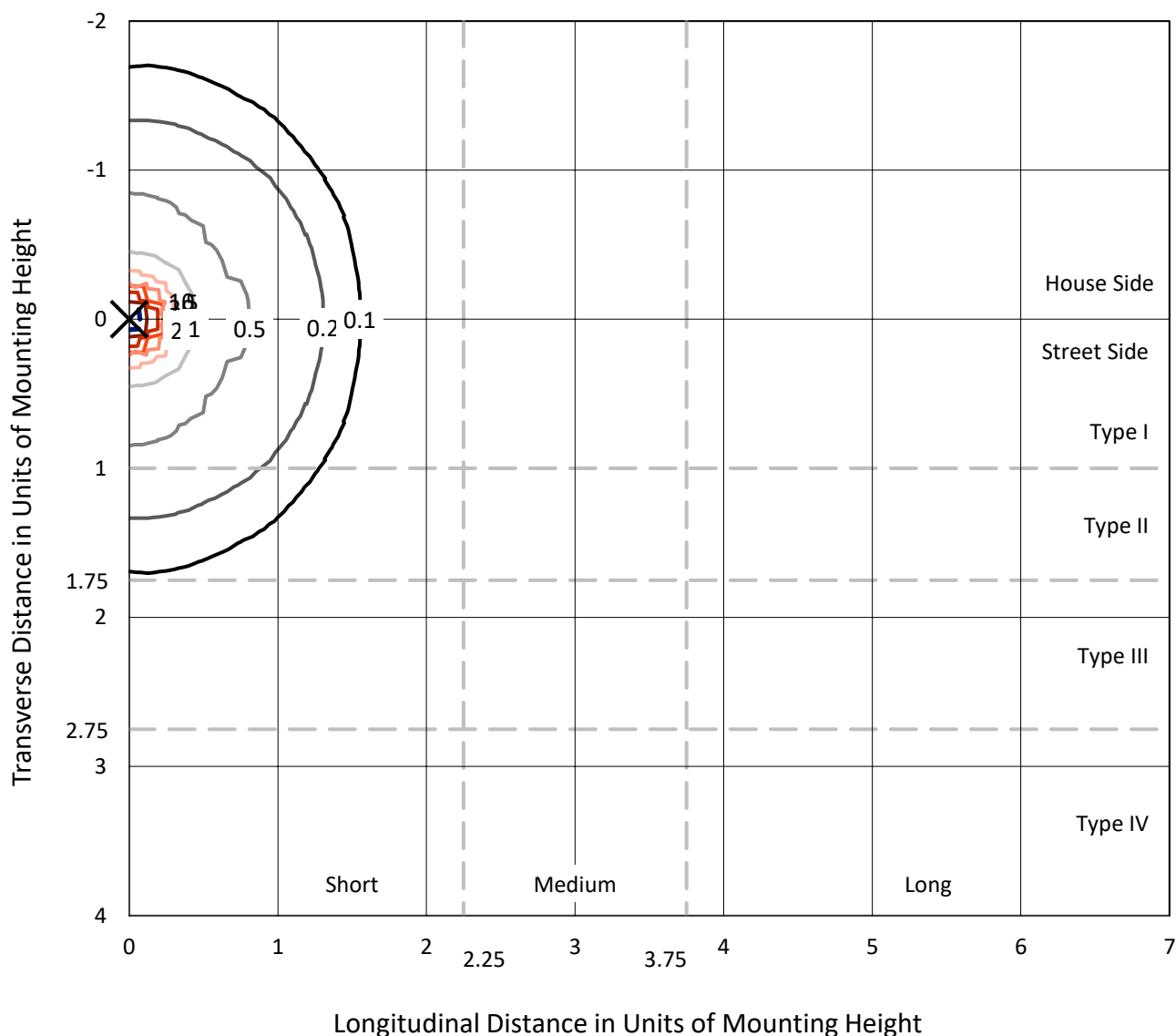
REPORT NUMBER: P635925

CATALOG NUMBER: IFLD-S-SA2A-940-U-11-VI

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

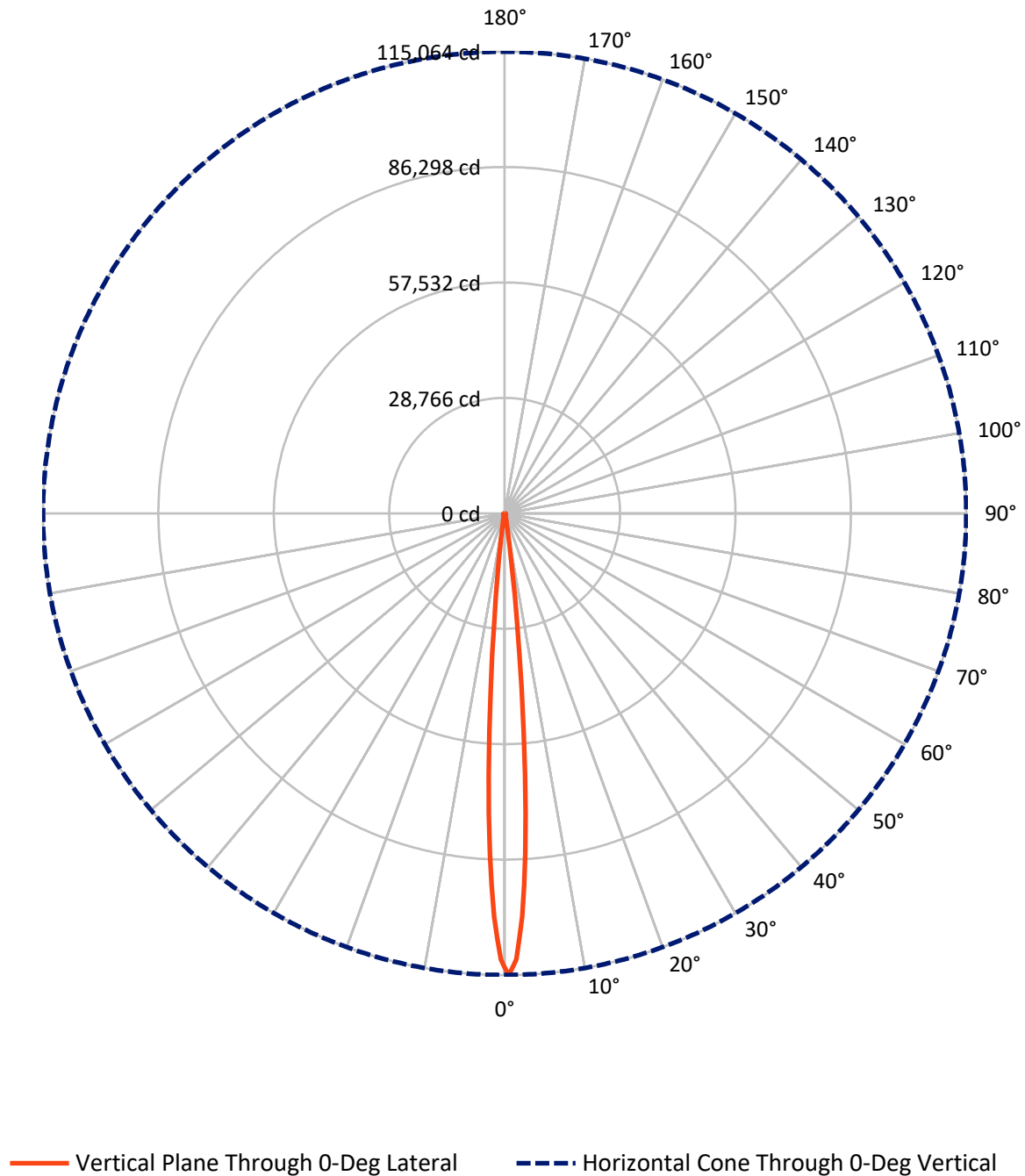


Based on 20 foot mounting height. Maximum calculated value = 287.7 fc

Type V - Short - N/A

REPORT NUMBER: P635925
CATALOG NUMBER: IFLD-S-SA2A-940-U-11-VI

Luminous Intensity Polar Plot



REPORT NUMBER: P635925

CATALOG NUMBER: IFLD-S-SA2A-940-U-11-VI

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2449.4	0.0	2449.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2449.4	0.0	2449.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	4898.8	0.0	4898.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3092.0	63.1
10°-20°	382.1	7.8
20°-30°	229.0	4.7
30°-40°	246.2	5.0
40°-50°	331.0	6.8
50°-60°	295.1	6.0
60°-70°	194.9	4.0
70°-80°	96.6	2.0
80°-90°	31.9	0.7
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°-90°	4898.8	100.0
0°-180°	4898.8	100.0

Coefficient of Utilization



REPORT NUMBER: P635925

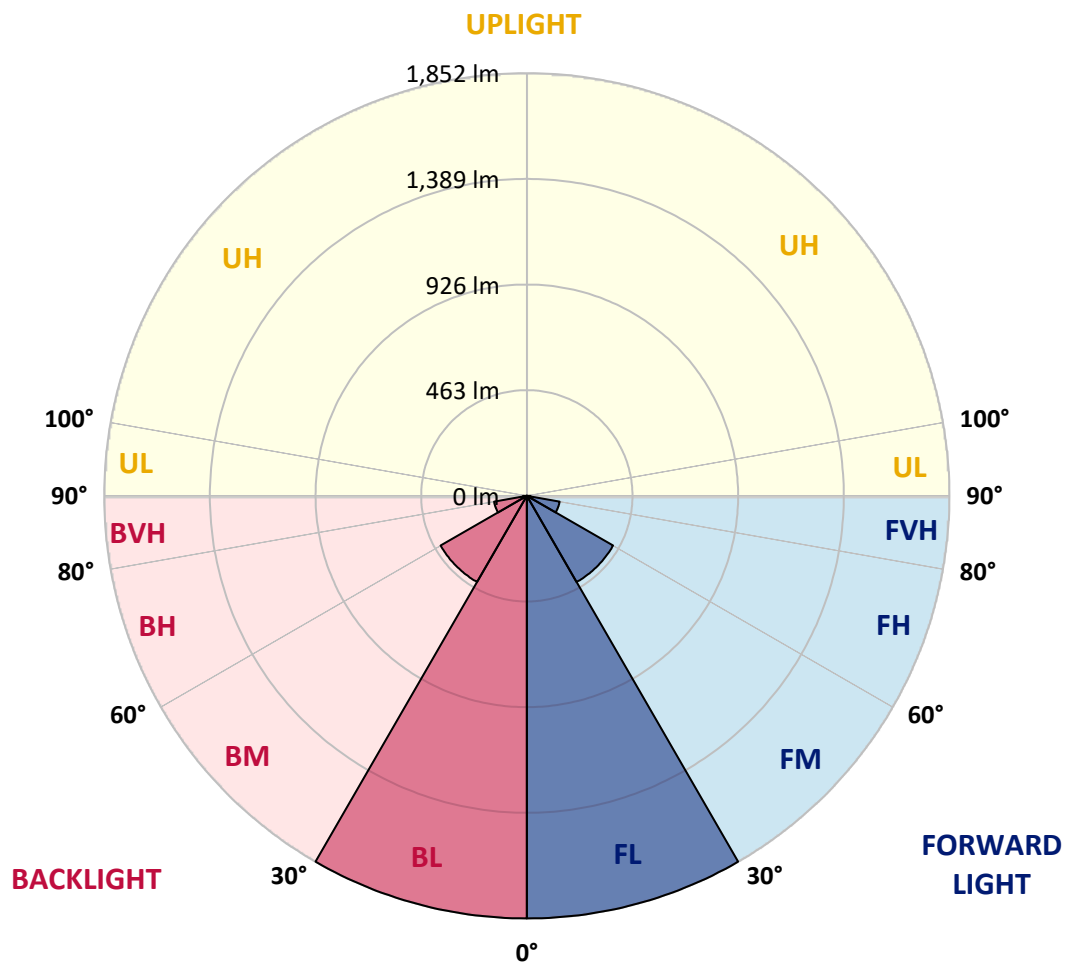
CATALOG NUMBER: IFLD-S-SA2A-940-U-11-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1851.5	37.8			
FM	(30°-60°)	436.1	8.9			
FH	(60°-80°)	145.8	3.0			G0/660
FVH	(80°-90°)	15.9	0.3			G1/100
BL	(0°-30°)	1851.5	37.8	B3/2500		
BM	(30°-60°)	436.1	8.9	B1/1000		
BH	(60°-80°)	145.8	3.0	B1/500		G0/660
BVH	(80°-90°)	15.9	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



REPORT NUMBER: P635925

CATALOG NUMBER: IFLD-S-SA2A-940-U-11-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	115064.0	115064.0	115064.0	115064.0	115064.0	115064.0	115064.0	115064.0	115064.0	115064.0
1°	111207.2	110065.8	110652.9	111214.0	112000.9	112347.6	112700.9	112965.1	112960.6	113396.4
2°	100586.4	98747.3	99599.7	100645.2	102667.2	103247.6	104217.4	105417.6	105490.9	106577.1
3°	84782.3	82200.2	83455.7	85317.4	88669.5	89536.6	91091.3	92188.7	91698.7	92970.0
4°	65059.2	61690.2	63608.4	66364.4	69627.3	72937.6	73003.1	73790.0	72174.4	72096.5
5°	43893.3	40922.8	43384.1	46831.0	49650.2	51963.6	53388.5	53486.7	51740.1	51580.9
6°	26770.4	24804.8	26946.6	30594.5	34499.8	35461.7	35679.6	35185.1	32894.3	31626.4
7°	14795.9	13994.3	16087.6	18264.3	21309.3	22717.2	21742.9	20162.2	19461.1	17951.6
8°	8159.5	7764.3	8361.6	10242.6	12605.6	13530.3	12589.8	10948.2	9766.1	9348.4
9°	4919.2	4700.2	4944.0	5659.8	6680.5	7321.8	6783.2	5974.8	5475.8	5336.9
10°	3267.4	3181.6	3285.5	3527.1	3894.0	4081.4	3947.1	3626.4	3475.2	3466.1
12.5°	1715.0	1699.2	1725.2	1752.3	1815.5	1825.6	1801.9	1779.4	1744.4	1757.9
15°	1104.2	1089.5	1116.6	1151.6	1167.4	1177.6	1178.7	1166.3	1142.6	1131.3
17.5°	805.0	808.4	810.6	831.0	861.5	885.2	875.0	861.5	834.4	820.8
20°	662.7	663.9	668.4	679.7	689.8	722.6	712.4	692.1	666.1	656.0
22.5°	566.8	569.0	571.3	578.1	580.3	589.4	590.5	572.4	557.7	552.1
25°	499.0	499.0	502.4	508.1	510.3	503.5	504.7	496.8	483.2	476.5
27.5°	423.4	425.6	429.0	431.3	426.8	418.9	408.7	415.5	408.7	392.9
30°	377.1	379.4	389.5	382.7	372.6	362.4	356.8	365.8	366.9	353.4
32.5°	373.7	374.8	378.2	374.8	362.4	350.0	342.1	352.3	354.5	348.9
35°	390.6	387.3	391.8	394.0	381.6	368.1	357.9	366.9	373.7	376.0
37.5°	473.1	453.9	439.2	434.7	426.8	417.7	404.2	406.5	418.9	430.2
40°	450.5	446.0	440.3	425.6	411.0	422.3	406.5	401.9	430.2	432.4
42.5°	447.1	450.5	446.0	427.9	413.2	424.5	421.1	407.6	435.8	432.4
45°	449.4	452.7	462.9	432.4	420.0	425.6	432.4	417.7	446.0	434.7
47.5°	431.3	435.8	447.1	430.2	422.3	421.1	431.3	417.7	432.4	431.3
50°	407.6	412.1	415.5	400.8	415.5	407.6	408.7	403.1	403.1	405.3
52.5°	377.1	381.6	385.0	368.1	377.1	380.5	366.9	365.8	355.6	359.0
55°	339.8	346.6	350.0	343.2	338.7	345.5	326.3	324.0	303.7	304.8
57.5°	296.9	303.7	307.1	315.0	311.6	298.1	286.8	277.7	255.2	246.1
60°	306.0	312.7	306.0	283.4	283.4	252.9	242.7	223.5	201.0	189.7
62.5°	295.8	304.8	303.7	280.0	251.8	213.4	195.3	175.0	152.4	137.7
65°	278.9	287.9	283.4	267.6	240.5	182.9	155.8	135.5	107.3	103.9
67.5°	250.6	264.2	255.2	245.0	223.5	166.0	124.2	101.6	77.9	77.9
70°	207.7	217.9	223.5	212.3	199.8	155.8	106.1	77.9	56.5	42.9
72.5°	167.1	176.1	185.2	179.5	168.2	141.1	94.8	62.1	40.6	24.8
75°	92.6	96.0	99.4	112.9	128.7	115.2	86.9	54.2	33.9	19.2
77.5°	71.1	74.5	82.4	75.6	70.0	89.2	94.8	63.2	29.4	13.5
80°	55.3	59.8	84.7	70.0	59.8	67.7	81.3	55.3	19.2	6.8
82.5°	41.8	45.2	59.8	66.6	63.2	50.8	44.0	37.3	16.9	4.5
85°	30.5	35.0	41.8	37.3	36.1	36.1	48.5	32.7	12.4	3.4
87.5°	18.1	18.1	19.2	18.1	16.9	16.9	19.2	15.8	7.9	2.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
115064.0
112520.3
105617.4
91610.7
71753.3
50936.2
31737.0
17242.6
8969.0
5148.4
3358.9
1707.1
1113.2
806.1
644.7
545.3
470.8
394.0
348.9
345.5
376.0
440.3
435.8
430.2
431.3
429.0
397.4
353.4
296.9
240.5
180.6
135.5
103.9
68.9
38.4
23.7
16.9
6.8
4.5
3.4
2.3
2.3
0.0

OF REPORT)