

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: P635881

Luminaire Tested: **IFLD-S-SA6E-930-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635881
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6E-930-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (96) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24867.3 lumens
Efficiency: N/A
Efficacy: 53.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 464.2
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

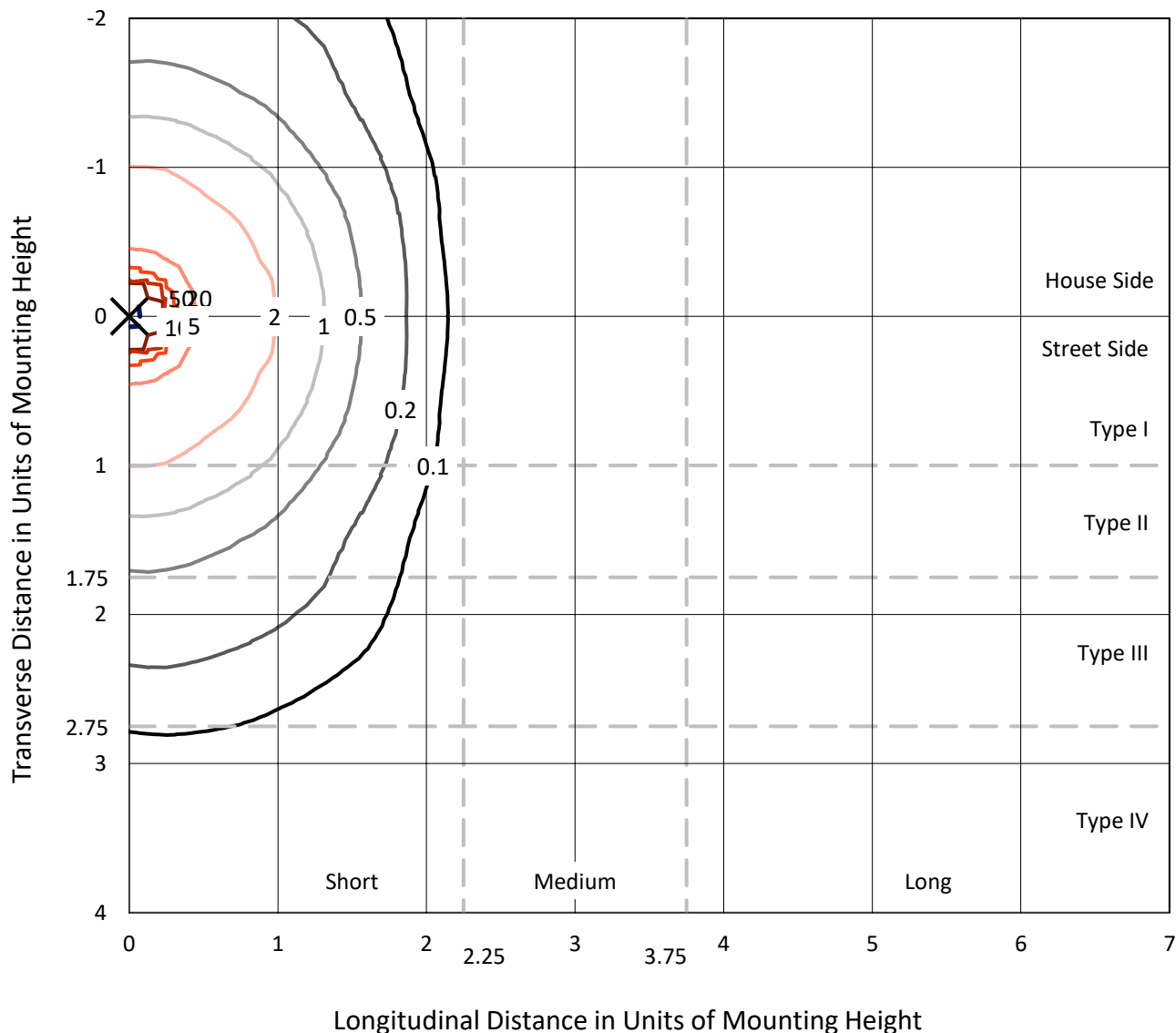


REPORT NUMBER: P635881
 CATALOG NUMBER: IFLD-S-SA6E-930-U-11-VI

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

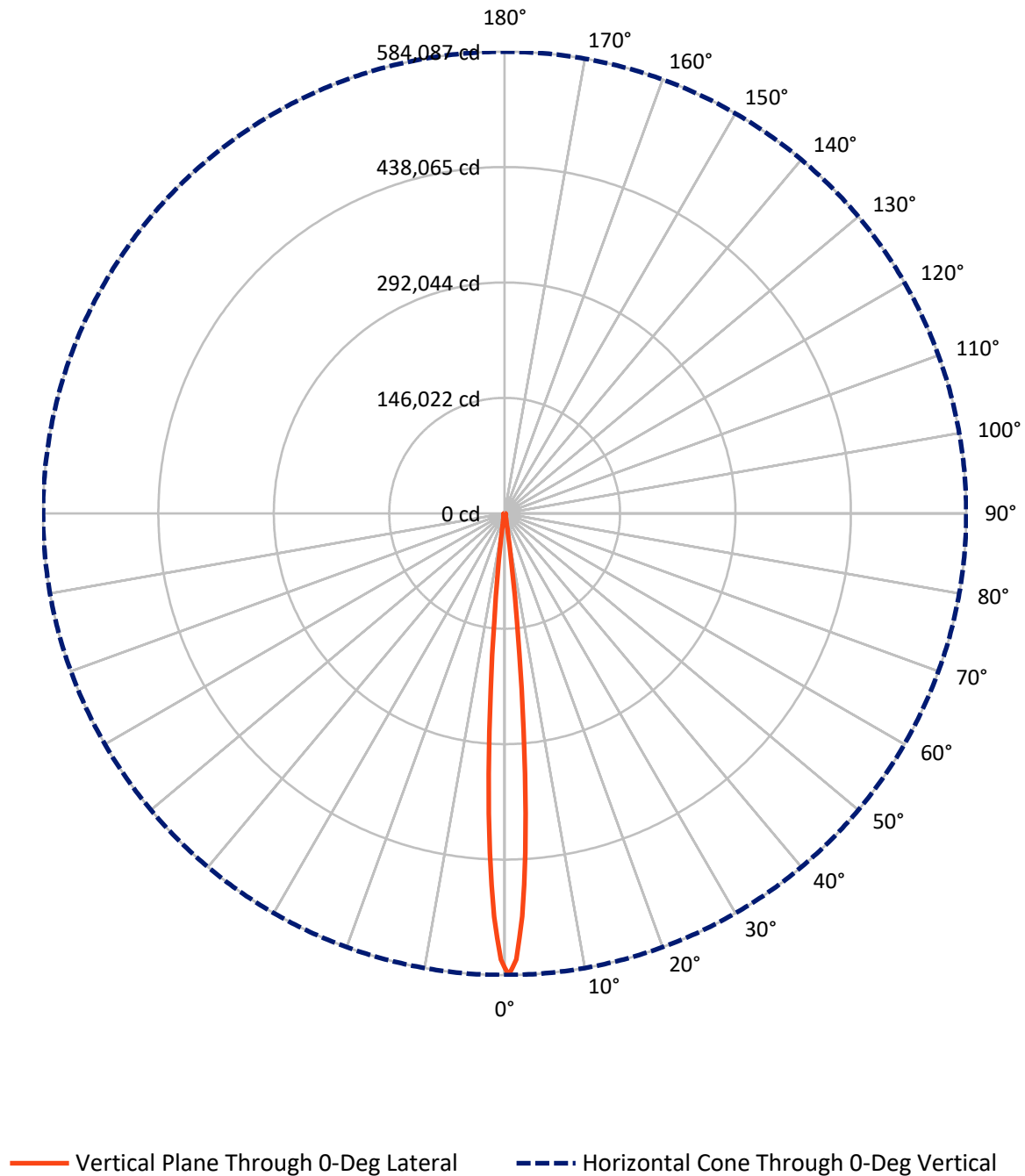
--- 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1460.2 fc
 Type V - Short - N/A

REPORT NUMBER: P635881
CATALOG NUMBER: IFLD-S-SA6E-930-U-11-VI

Luminous Intensity Polar Plot



REPORT NUMBER: P635881

CATALOG NUMBER: IFLD-S-SA6E-930-U-11-VI

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12433.6	0.0	12433.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12433.6	0.0	12433.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	24867.3	0.0	24867.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15695.6	63.1
10°-20°	1939.8	7.8
20°-30°	1162.2	4.7
30°-40°	1249.6	5.0
40°-50°	1680.3	6.8
50°-60°	1497.8	6.0
60°-70°	989.4	4.0
70°-80°	490.5	2.0
80°-90°	161.9	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°	24867.3	100.0
0°-180°	24867.3	100.0



REPORT NUMBER: P635881

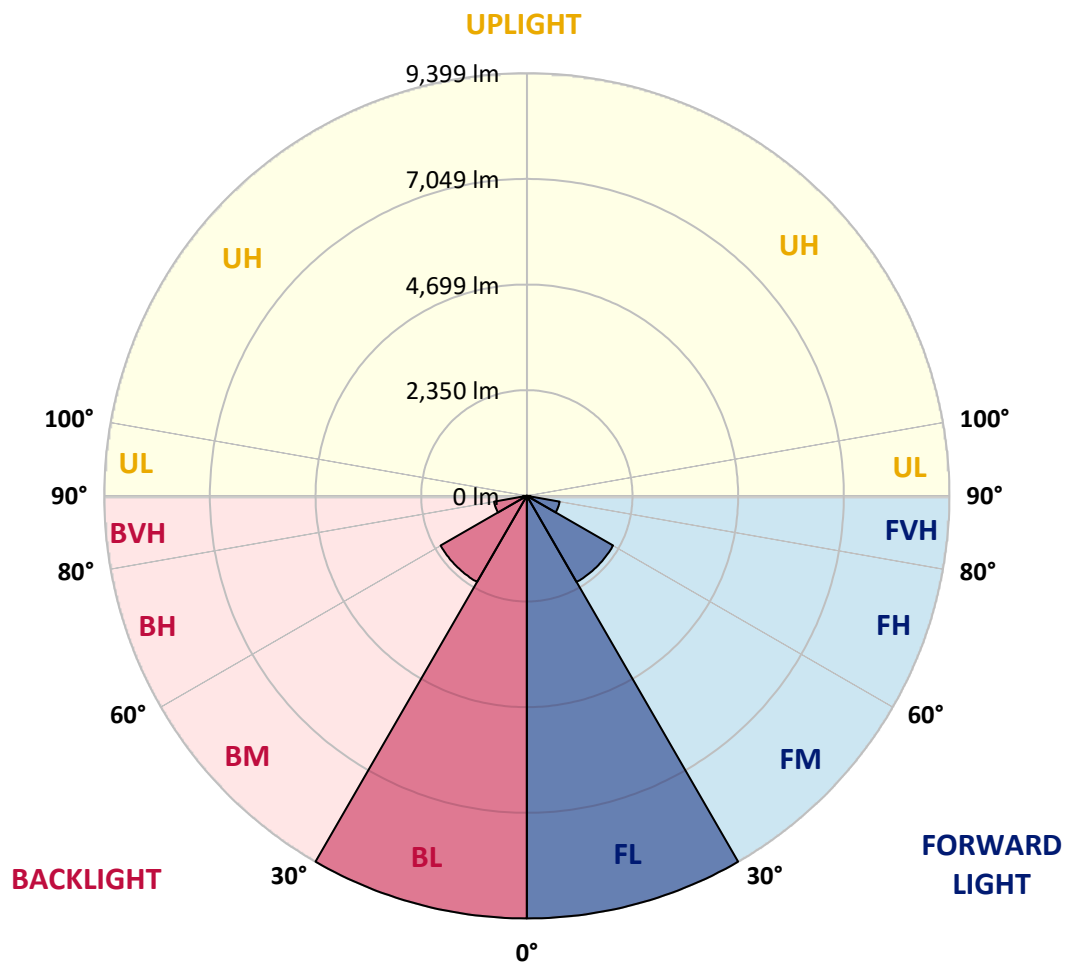
CATALOG NUMBER: IFLD-S-SA6E-930-U-11-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	9398.8	37.8			
FM	(30°-60°)	2213.9	8.9			
FH	(60°-80°)	740.0	3.0			G1/1800
FVH	(80°-90°)	81.0	0.3			G1/100
BL	(0°-30°)	9398.8	37.8	B5		
BM	(30°-60°)	2213.9	8.9	B2/2500		
BH	(60°-80°)	740.0	3.0	B2/1000		G1/1800
BVH	(80°-90°)	81.0	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short



REPORT NUMBER: P635881

CATALOG NUMBER: IFLD-S-SA6E-930-U-11-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	584087.0	584087.0	584087.0	584087.0	584087.0	584087.0	584087.0	584087.0	584087.0	584087.0
1°	564509.3	558715.1	561695.3	564543.7	568538.3	570297.8	572091.7	573432.7	573409.8	575622.1
2°	510596.1	501260.1	505587.1	510894.2	521158.7	524104.5	529027.6	535119.8	535492.4	541005.8
3°	430371.1	417263.9	423637.0	433087.7	450103.6	454505.1	462397.0	467967.7	465480.3	471933.6
4°	330253.2	313151.4	322888.7	336878.5	353441.6	370245.4	370577.8	374572.4	366371.1	365975.7
5°	222810.9	207732.2	220226.1	237723.4	252034.2	263777.3	271010.1	271508.7	262642.6	261834.5
6°	135891.9	125913.9	136786.0	155303.4	175127.5	180010.5	181116.6	178606.3	166977.8	160541.7
7°	75107.1	71037.9	81663.5	92713.2	108170.2	115317.0	110371.0	102347.3	98788.3	91125.7
8°	41419.2	39413.3	42445.1	51993.2	63988.6	68682.4	63908.3	55575.2	49574.7	47454.1
9°	24970.7	23858.9	25096.8	28730.4	33911.4	37166.7	34432.9	30329.4	27796.2	27091.3
10°	16586.0	16150.5	16677.7	17904.2	19766.8	20718.2	20036.2	18408.5	17640.6	17594.7
12.5°	8705.7	8625.4	8757.2	8894.8	9215.7	9267.3	9147.0	9032.3	8854.7	8923.4
15°	5605.1	5530.6	5668.1	5845.8	5926.0	5977.6	5983.3	5920.3	5799.9	5742.6
17.5°	4086.3	4103.5	4115.0	4218.1	4372.9	4493.2	4441.7	4372.9	4235.3	4166.6
20°	3364.2	3369.9	3392.9	3450.2	3501.7	3668.0	3616.4	3513.2	3381.4	3329.8
22.5°	2877.1	2888.5	2900.0	2934.4	2945.8	2991.7	2997.4	2905.7	2831.2	2802.5
25°	2533.2	2533.2	2550.4	2579.0	2590.5	2556.1	2561.8	2521.7	2452.9	2418.6
27.5°	2149.2	2160.7	2177.8	2189.3	2166.4	2126.3	2074.7	2109.1	2074.7	1994.4
30°	1914.2	1925.7	1977.3	1942.9	1891.3	1839.7	1811.1	1856.9	1862.6	1793.9
32.5°	1897.0	1902.8	1919.9	1902.8	1839.7	1776.7	1736.5	1788.1	1799.6	1770.9
35°	1983.0	1965.8	1988.7	2000.2	1937.1	1868.4	1816.8	1862.6	1897.0	1908.5
37.5°	2401.4	2303.9	2229.4	2206.5	2166.4	2120.5	2051.8	2063.2	2126.3	2183.6
40°	2286.7	2263.8	2235.2	2160.7	2086.1	2143.5	2063.2	2040.3	2183.6	2195.0
42.5°	2269.5	2286.7	2263.8	2172.1	2097.6	2154.9	2137.7	2069.0	2212.2	2195.0
45°	2281.0	2298.2	2349.8	2195.0	2132.0	2160.7	2195.0	2120.5	2263.8	2206.5
47.5°	2189.3	2212.2	2269.5	2183.6	2143.5	2137.7	2189.3	2120.5	2195.0	2189.3
50°	2069.0	2091.9	2109.1	2034.6	2109.1	2069.0	2074.7	2046.0	2046.0	2057.5
52.5°	1914.2	1937.1	1954.3	1868.4	1914.2	1931.4	1862.6	1856.9	1805.3	1822.5
55°	1725.1	1759.5	1776.7	1742.3	1719.4	1753.7	1656.3	1644.8	1541.7	1547.4
57.5°	1507.3	1541.7	1558.9	1599.0	1581.8	1513.0	1455.7	1409.9	1295.2	1249.4
60°	1553.1	1587.5	1553.1	1438.5	1438.5	1283.8	1232.2	1134.8	1020.1	962.8
62.5°	1501.6	1547.4	1541.7	1421.3	1278.1	1083.2	991.5	888.3	773.7	699.2
65°	1415.6	1461.4	1438.5	1358.3	1220.7	928.5	790.9	687.7	544.5	527.3
67.5°	1272.3	1341.1	1295.2	1243.7	1134.8	842.5	630.4	515.8	395.5	395.5
70°	1054.5	1106.1	1134.8	1077.5	1014.4	790.9	538.7	395.5	286.6	217.8
72.5°	848.2	894.1	939.9	911.3	853.9	716.4	481.4	315.2	206.3	126.1
75°	470.0	487.1	504.3	573.1	653.4	584.6	441.3	275.1	171.9	97.4
77.5°	361.1	378.3	418.4	384.0	355.3	452.8	481.4	320.9	149.0	68.8
80°	280.8	303.8	429.8	355.3	303.8	343.9	412.6	280.8	97.4	34.4
82.5°	212.1	229.2	303.8	338.1	320.9	257.9	223.5	189.1	86.0	22.9
85°	154.7	177.7	212.1	189.1	183.4	183.4	246.4	166.2	63.0	17.2
87.5°	91.7	91.7	97.4	91.7	86.0	86.0	97.4	80.2	40.1	11.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

584087.0

571174.7
536134.3
465033.3
364233.4
258562.0
161103.3
87526.5
45528.5
26134.2
17050.2
8665.5
5650.9
4092.1
3272.5
2768.2
2389.9
2000.2
1770.9
1753.7
1908.5
2235.2
2212.2
2183.6
2189.3
2177.8
2017.4
1793.9
1507.3
1220.7
917.0
687.7
527.3
349.6
194.9
120.4
86.0
34.4
22.9
17.2
11.5
11.5
0.0

OF REPORT)