

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: P635932

Luminaire Tested: **IFLD-S-SA3C-940-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635932
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-940-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (48) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11239.6 lumens
Efficiency: N/A
Efficacy: 69.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 160.8
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



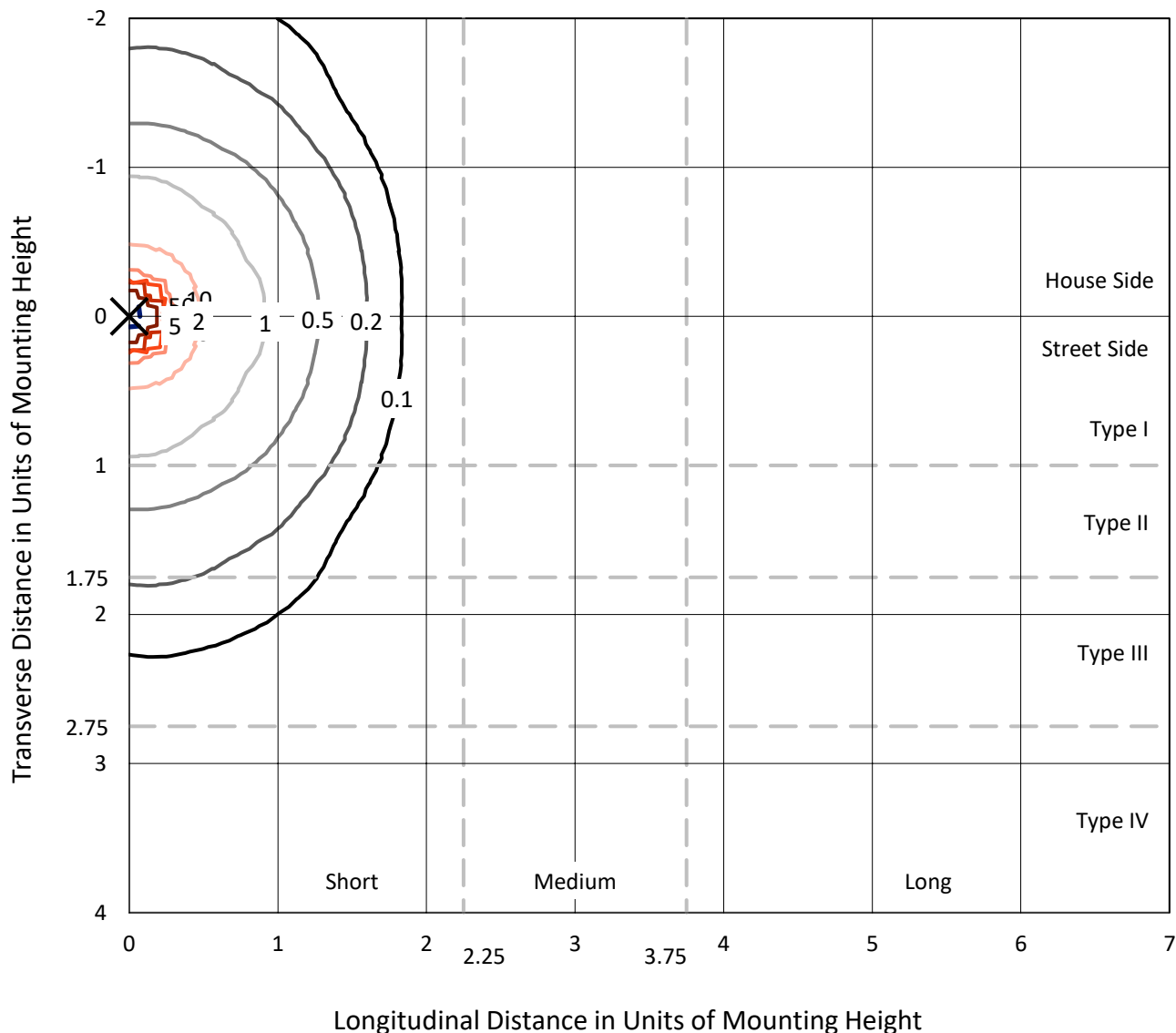
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

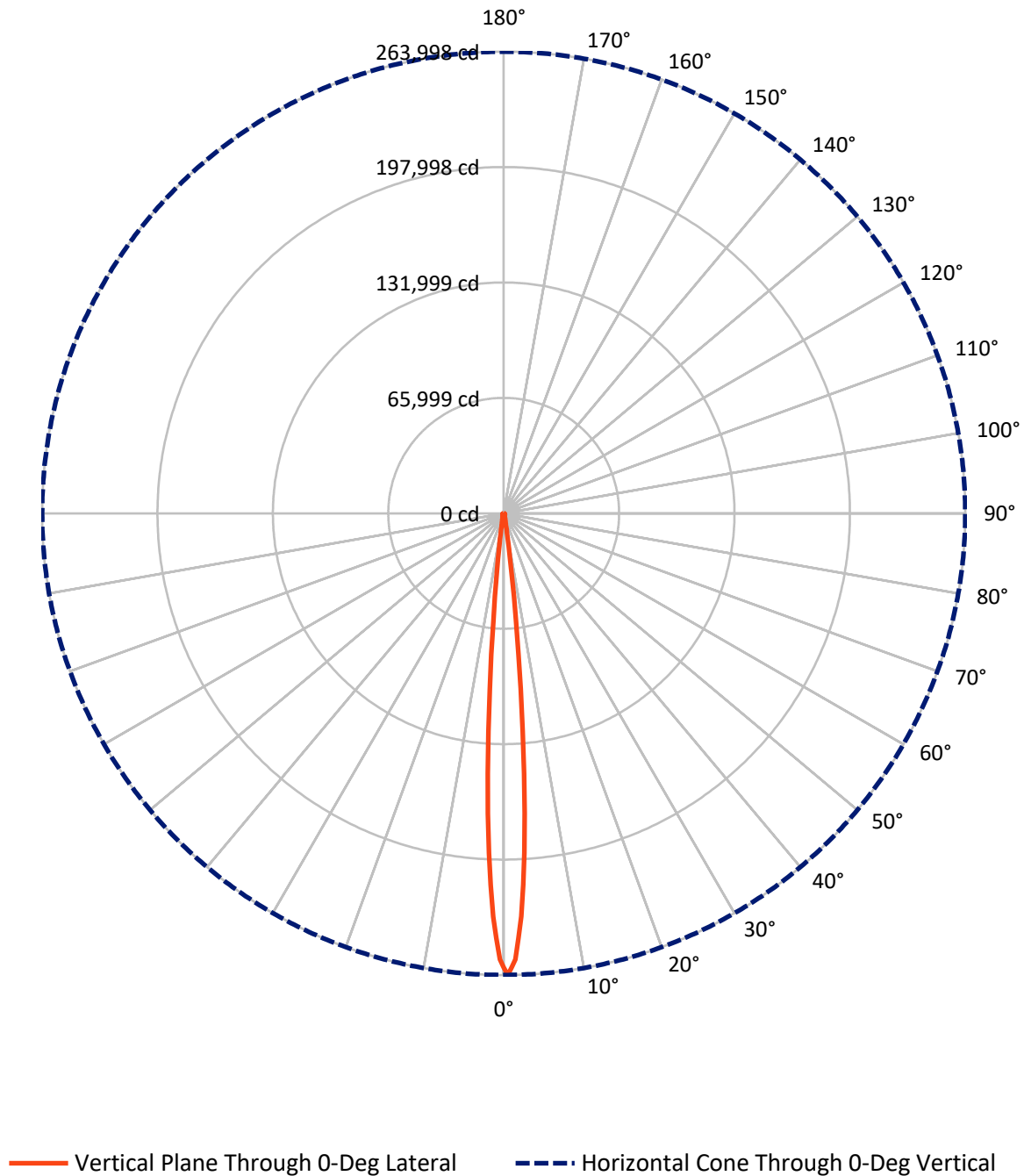


Based on 20 foot mounting height. Maximum calculated value = 660 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5619.8	0.0	5619.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5619.8	0.0	5619.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	11239.6	0.0	11239.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7094.2	63.1
10°-20°	876.8	7.8
20°-30°	525.3	4.7
30°-40°	564.8	5.0
40°-50°	759.4	6.8
50°-60°	677.0	6.0
60°-70°	447.2	4.0
70°-80°	221.7	2.0
80°-90°	73.2	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°	11239.6	100.0
0°-180°	11239.6	100.0

Coefficient of Utilization



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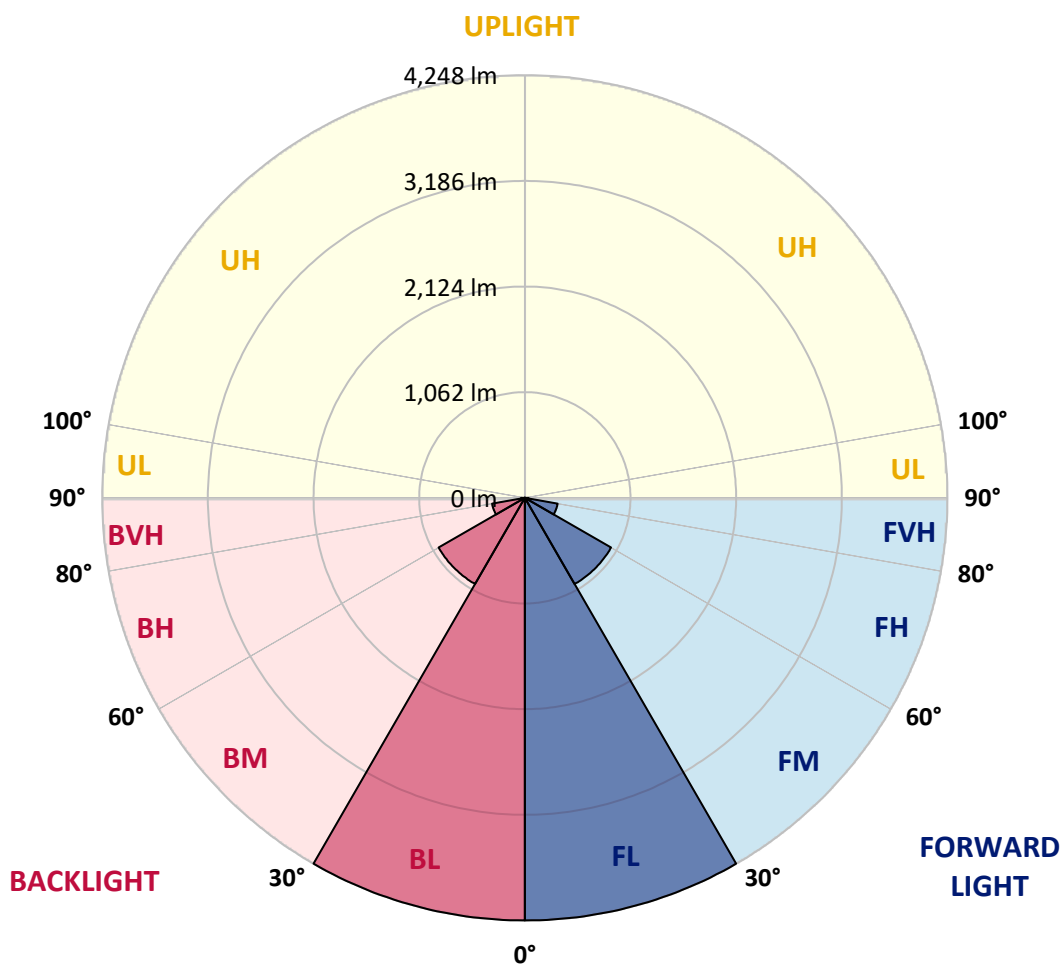
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4248.1	37.8			
FM	(30°-60°)	1000.6	8.9			
FH	(60°-80°)	334.4	3.0			G0/660
FVH	(80°-90°)	36.6	0.3			G1/100
BL	(0°-30°)	4248.1	37.8	B4/5000		
BM	(30°-60°)	1000.6	8.9	B2/2500		
BH	(60°-80°)	334.4	3.0	B1/500		G0/660
BVH	(80°-90°)	36.6	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	263997.5	263997.5	263997.5	263997.5	263997.5	263997.5	263997.5	263997.5	263997.5	263997.5
1°	255148.8	252529.9	253876.9	255164.3	256969.8	257765.1	258575.8	259182.0	259171.6	260171.5
2°	230780.9	226561.2	228516.9	230915.6	235555.0	236886.5	239111.6	241865.2	242033.6	244525.5
3°	194520.6	188596.3	191476.8	195748.4	203439.3	205428.7	208995.7	211513.5	210389.3	213306.1
4°	149268.9	141539.2	145940.3	152263.4	159749.7	167344.7	167495.0	169300.5	165593.6	165414.9
5°	100706.8	93891.5	99538.5	107447.0	113915.2	119222.9	122492.0	122717.4	118710.0	118344.8
6°	61420.9	56911.0	61825.0	70194.5	79154.7	81361.7	81861.7	80727.1	75471.2	72562.2
7°	33947.1	32107.9	36910.5	41904.8	48891.1	52121.3	49885.8	46259.3	44650.6	41187.3
8°	18720.8	17814.1	19184.5	23500.1	28921.8	31043.3	28885.5	25119.1	22406.9	21448.5
9°	11286.4	10783.8	11343.3	12985.7	15327.4	16798.7	15563.1	13708.4	12563.4	12244.8
10°	7496.6	7299.7	7538.1	8092.4	8934.3	9364.3	9056.0	8320.3	7973.2	7952.5
12.5°	3934.8	3898.5	3958.1	4020.3	4165.4	4188.7	4134.3	4082.5	4002.2	4033.2
15°	2533.4	2499.7	2561.9	2642.2	2678.5	2701.8	2704.4	2675.9	2621.5	2595.6
17.5°	1847.0	1854.7	1859.9	1906.5	1976.5	2030.9	2007.6	1976.5	1914.3	1883.2
20°	1520.6	1523.2	1533.5	1559.4	1582.7	1657.9	1634.5	1587.9	1528.3	1505.0
22.5°	1300.4	1305.6	1310.7	1326.3	1331.5	1352.2	1354.8	1313.3	1279.7	1266.7
25°	1145.0	1145.0	1152.7	1165.7	1170.9	1155.3	1157.9	1139.8	1108.7	1093.1
27.5°	971.4	976.6	984.4	989.5	979.2	961.0	937.7	953.3	937.7	901.5
30°	865.2	870.4	893.7	878.1	854.8	831.5	818.6	839.3	841.9	810.8
32.5°	857.4	860.0	867.8	860.0	831.5	803.0	784.9	808.2	813.4	800.4
35°	896.3	888.5	898.9	904.0	875.6	844.5	821.2	841.9	857.4	862.6
37.5°	1085.4	1041.3	1007.7	997.3	979.2	958.4	927.4	932.5	961.0	986.9
40°	1033.6	1023.2	1010.3	976.6	942.9	968.8	932.5	922.2	986.9	992.1
42.5°	1025.8	1033.6	1023.2	981.8	948.1	974.0	966.2	935.1	999.9	992.1
45°	1031.0	1038.7	1062.1	992.1	963.6	976.6	992.1	958.4	1023.2	997.3
47.5°	989.5	999.9	1025.8	986.9	968.8	966.2	989.5	958.4	992.1	989.5
50°	935.1	945.5	953.3	919.6	953.3	935.1	937.7	924.8	924.8	930.0
52.5°	865.2	875.6	883.3	844.5	865.2	873.0	841.9	839.3	816.0	823.7
55°	779.7	795.3	803.0	787.5	777.1	792.7	748.6	743.4	696.8	699.4
57.5°	681.3	696.8	704.6	722.7	714.9	683.9	658.0	637.2	585.4	564.7
60°	702.0	717.5	702.0	650.2	650.2	580.2	556.9	512.9	461.1	435.2
62.5°	678.7	699.4	696.8	642.4	577.7	489.6	448.1	401.5	349.7	316.0
65°	639.8	660.6	650.2	613.9	551.8	419.6	357.5	310.8	246.1	238.3
67.5°	575.1	606.2	585.4	562.1	512.9	380.8	284.9	233.1	178.7	178.7
70°	476.6	499.9	512.9	487.0	458.5	357.5	243.5	178.7	129.5	98.4
72.5°	383.4	404.1	424.8	411.9	386.0	323.8	217.6	142.5	93.3	57.0
75°	212.4	220.2	228.0	259.0	295.3	264.2	199.5	124.3	77.7	44.0
77.5°	163.2	171.0	189.1	173.6	160.6	204.6	217.6	145.1	67.4	31.1
80°	126.9	137.3	194.3	160.6	137.3	155.4	186.5	126.9	44.0	15.5
82.5°	95.8	103.6	137.3	152.8	145.1	116.6	101.0	85.5	38.9	10.4
85°	69.9	80.3	95.8	85.5	82.9	82.9	111.4	75.1	28.5	7.8
87.5°	41.4	41.4	44.0	41.4	38.9	38.9	44.0	36.3	18.1	5.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
263997.5
258161.4
242323.7
210187.3
164627.4
116865.7
72816.0
39560.5
20578.1
11812.2
7706.4
3916.7
2554.1
1849.5
1479.1
1251.2
1080.2
904.0
800.4
792.7
862.6
1010.3
999.9
986.9
989.5
984.4
911.8
810.8
681.3
551.8
414.5
310.8
238.3
158.0
88.1
54.4
38.9
15.5
10.4
7.8
5.2
5.2
0.0

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