

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: P525371

Luminaire Tested: **IFLD-S-SA6D-940-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525371
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-940-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (96) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

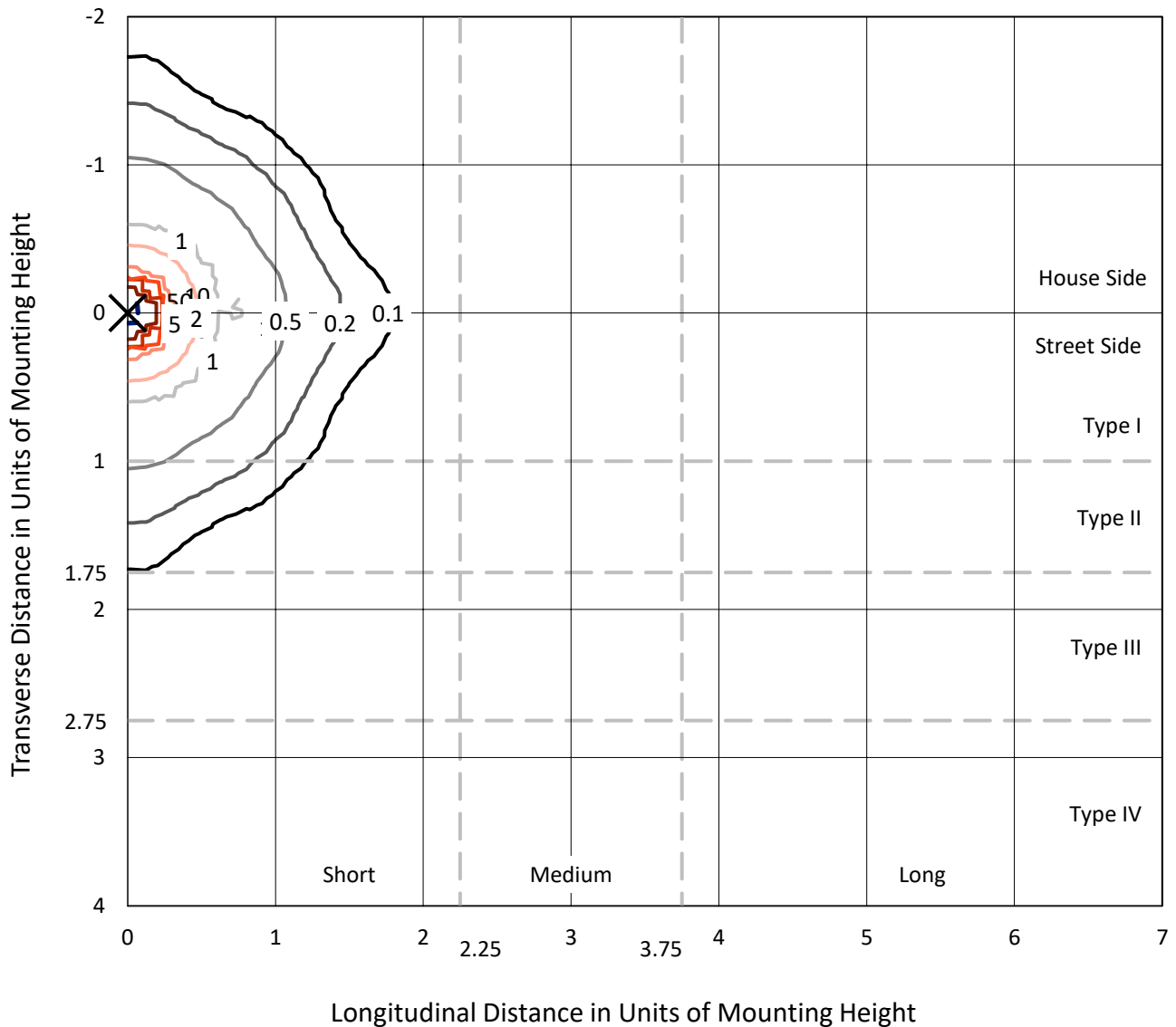
Lumens per Lamp: N/A
Luminaire Lumens: 19065.6 lumens
Efficiency: N/A
Efficacy: 51.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

Input Watts (W): 368.2
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: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

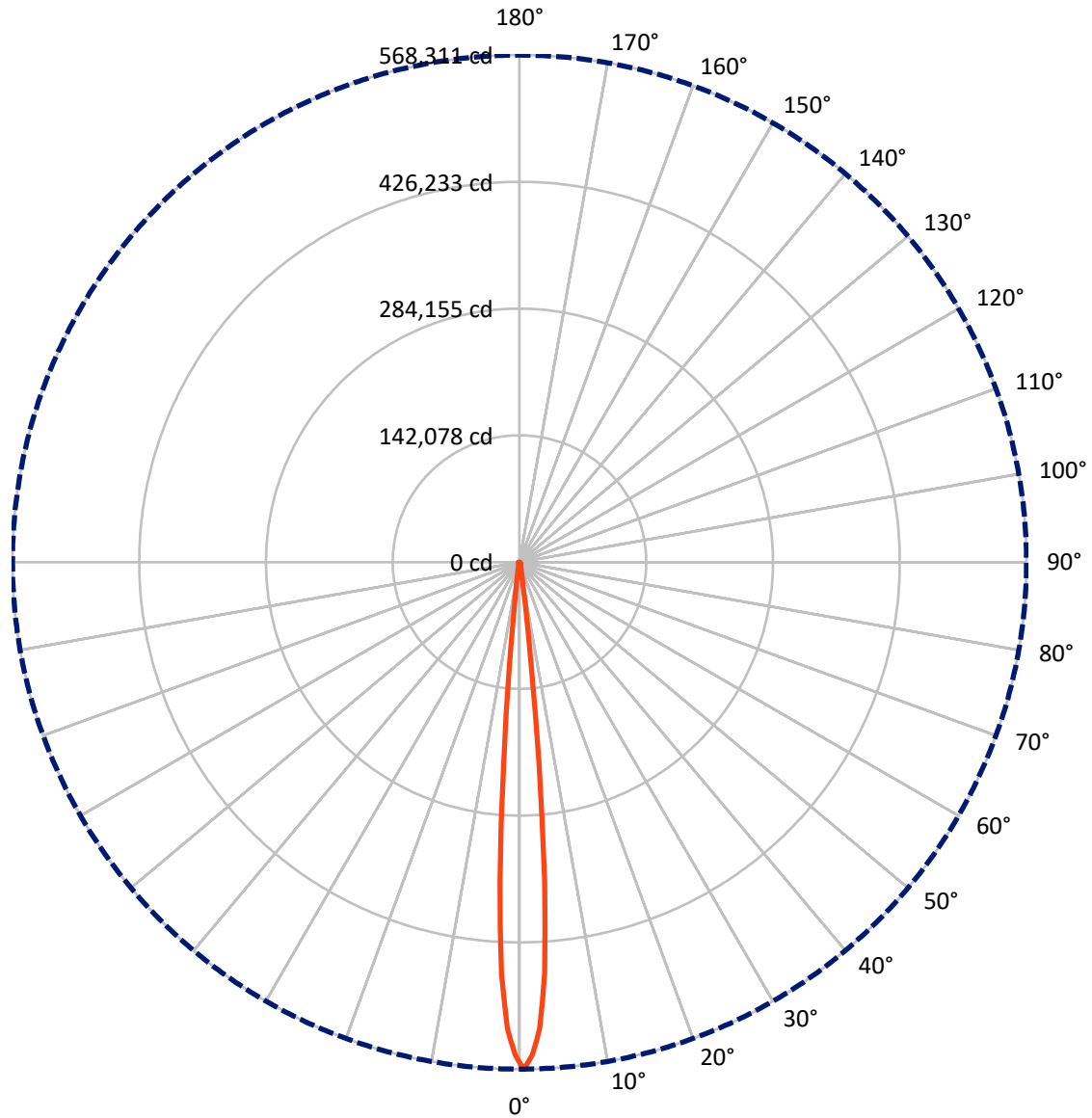
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 909.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

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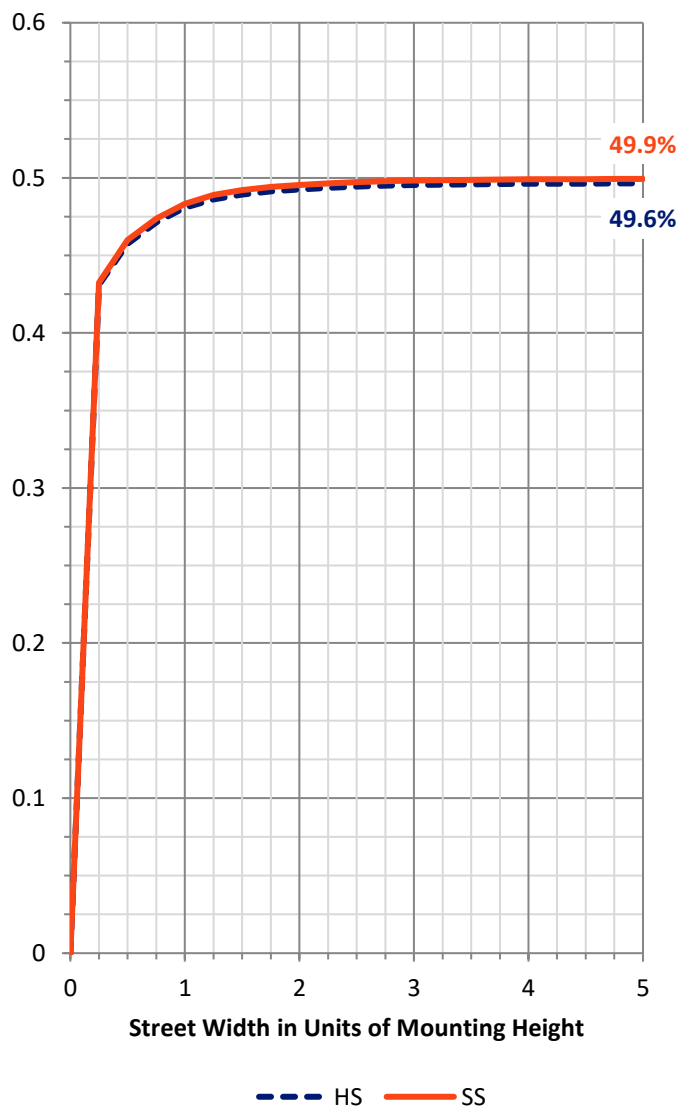
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9532.8	0.0	9532.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9532.8	0.0	9532.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	19065.6	0.0	19065.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14642.2	76.8
10°-20°	1428.1	7.5
20°-30°	763.0	4.0
30°-40°	629.3	3.3
40°-50°	700.7	3.7
50°-60°	471.2	2.5
60°-70°	300.7	1.6
70°-80°	118.7	0.6
80°-90°	11.6	0.1
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°	19065.6	100.0
0°-180°	19065.6	100.0

Coefficient of Utilization



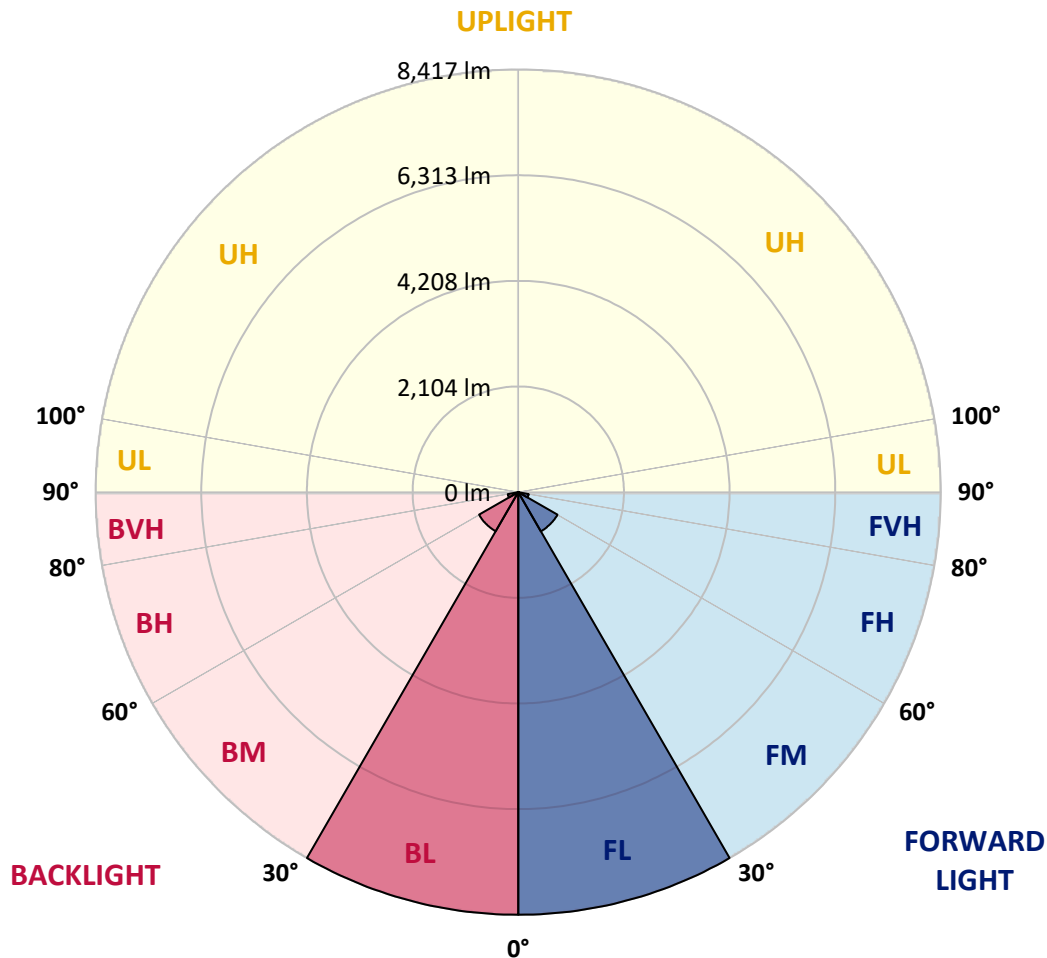
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8416.7	44.1			
FM (30°-60°)	900.6	4.7			
FH (60°-80°)	209.7	1.1			G0/660
FVH (80°-90°)	5.8	0.0			G0/10
BL (0°-30°)	8416.7	44.1	B5		
BM (30°-60°)	900.6	4.7	B1/1000		
BH (60°-80°)	209.7	1.1	B1/500		G0/660
BVH (80°-90°)	5.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	568310.7	568310.7	568310.7	568310.7	568310.7	568310.7	568310.7	568310.7	568310.7	568310.7
1°	552515.7	553476.6	553649.9	552505.8	549588.5	550277.0	550187.8	550341.4	550054.1	548231.4
2°	522599.9	524021.4	522525.6	519316.1	512669.3	511084.3	505789.6	499880.8	493590.5	487285.5
3°	461535.1	464526.7	462392.0	465819.4	452337.5	450975.4	439841.2	425160.7	410282.0	398226.6
4°	357845.2	363372.7	364105.7	375418.3	364343.5	367805.6	355086.4	334690.2	312431.7	295403.5
5°	228097.9	235804.7	240153.4	250762.6	255864.1	269147.9	262951.8	242481.3	216760.6	197171.7
6°	115250.0	119445.2	131129.2	142793.4	155819.6	173447.1	175834.5	157865.2	137394.7	118593.3
7°	53724.6	55458.1	63699.8	66186.2	81079.7	100203.0	102877.6	93026.2	82228.8	67657.2
8°	27761.2	28434.8	31446.2	33293.7	41981.2	52981.6	54858.8	48657.7	44239.7	36909.3
9°	17097.6	17394.7	18524.0	18940.1	22189.2	27082.7	27746.4	25151.0	23952.4	21421.5
10°	11857.3	12015.8	12545.8	12654.8	13739.5	15349.2	15408.6	14556.7	14576.5	13942.5
12.5°	6320.0	6369.5	6518.1	6532.9	6741.0	6909.4	6869.7	6874.7	6958.9	6874.7
15°	4041.6	4066.4	4155.5	4175.3	4284.3	4343.7	4314.0	4309.1	4338.8	4284.3
17.5°	2882.6	2897.5	2961.9	3016.3	3085.7	3105.5	3095.6	3085.7	3085.7	3036.2
20°	2248.6	2268.4	2313.0	2367.5	2402.2	2436.8	2441.8	2436.8	2422.0	2397.2
22.5°	1911.8	1921.7	1936.6	1961.4	1986.1	2001.0	2010.9	2015.8	2010.9	2001.0
25°	1664.2	1674.1	1703.8	1718.7	1718.7	1723.6	1743.4	1753.3	1758.3	1738.5
27.5°	1228.3	1253.1	1297.7	1322.4	1322.4	1332.3	1347.2	1367.0	1386.8	1352.2
30°	951.0	970.8	1020.3	1020.3	1015.4	1025.3	1040.1	1069.8	1099.6	1059.9
32.5°	856.9	856.9	866.8	871.7	871.7	886.6	896.5	921.2	946.0	936.1
35°	896.5	871.7	842.0	842.0	851.9	881.6	886.6	911.3	936.1	970.8
37.5°	1302.6	1228.3	1119.4	1099.6	1099.6	1134.2	1119.4	1134.2	1178.8	1307.6
40°	1183.8	1124.3	1059.9	970.8	970.8	1020.3	985.6	1005.4	1109.5	1188.7
42.5°	1055.0	1055.0	985.6	901.4	901.4	926.2	916.3	926.2	1045.1	1109.5
45°	975.7	975.7	955.9	822.2	842.0	856.9	856.9	856.9	1015.4	1035.2
47.5°	931.2	931.2	881.6	757.8	782.6	787.5	797.4	787.5	911.3	980.7
50°	832.1	842.0	757.8	668.6	698.4	698.4	713.2	693.4	787.5	901.4
52.5°	718.2	728.1	599.3	530.0	564.6	559.7	579.5	549.8	624.1	782.6
55°	638.9	634.0	495.3	430.9	470.5	465.6	475.5	440.8	505.2	673.6
57.5°	554.7	564.6	406.1	351.7	396.2	386.3	401.2	361.6	416.0	599.3
60°	490.3	505.2	346.7	297.2	341.8	331.8	346.7	302.1	356.6	539.9
62.5°	470.5	470.5	307.1	252.6	297.2	287.3	297.2	252.6	317.0	495.3
65°	559.7	530.0	277.4	208.0	252.6	242.7	252.6	208.0	277.4	475.5
67.5°	742.9	708.3	262.5	163.4	203.1	188.2	203.1	168.4	242.7	445.8
70°	386.3	411.1	262.5	128.8	153.5	153.5	148.6	128.8	203.1	326.9
72.5°	222.9	227.8	203.1	99.1	118.9	128.8	113.9	99.1	148.6	242.7
75°	123.8	138.7	128.8	74.3	89.2	99.1	84.2	74.3	104.0	173.4
77.5°	74.3	84.2	74.3	49.5	59.4	54.5	59.4	49.5	69.3	113.9
80°	39.6	39.6	39.6	29.7	29.7	34.7	34.7	29.7	39.6	59.4
82.5°	14.9	14.9	14.9	9.9	14.9	14.9	14.9	19.8	19.8	24.8
85°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
87.5°	0.0	0.0	0.0	0.0	0.0	5.0	5.0	5.0	5.0	5.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
568310.7
550029.3
490916.0
402798.1
299351.0
199682.9
119999.9
69420.5
37904.9
21971.3
14234.8
6968.8
4323.9
3051.0
2402.2
2005.9
1738.5
1347.2
1050.0
936.1
990.6
1372.0
1263.0
1114.4
1030.2
965.8
891.5
762.8
663.7
584.4
525.0
490.3
475.5
440.8
321.9
237.7
153.5
84.2
49.5
24.8
5.0
5.0
0.0

OF REPORT)