

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: P524201

Luminaire Tested: **IFLD-S-SA6D-940-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524201
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-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (96) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

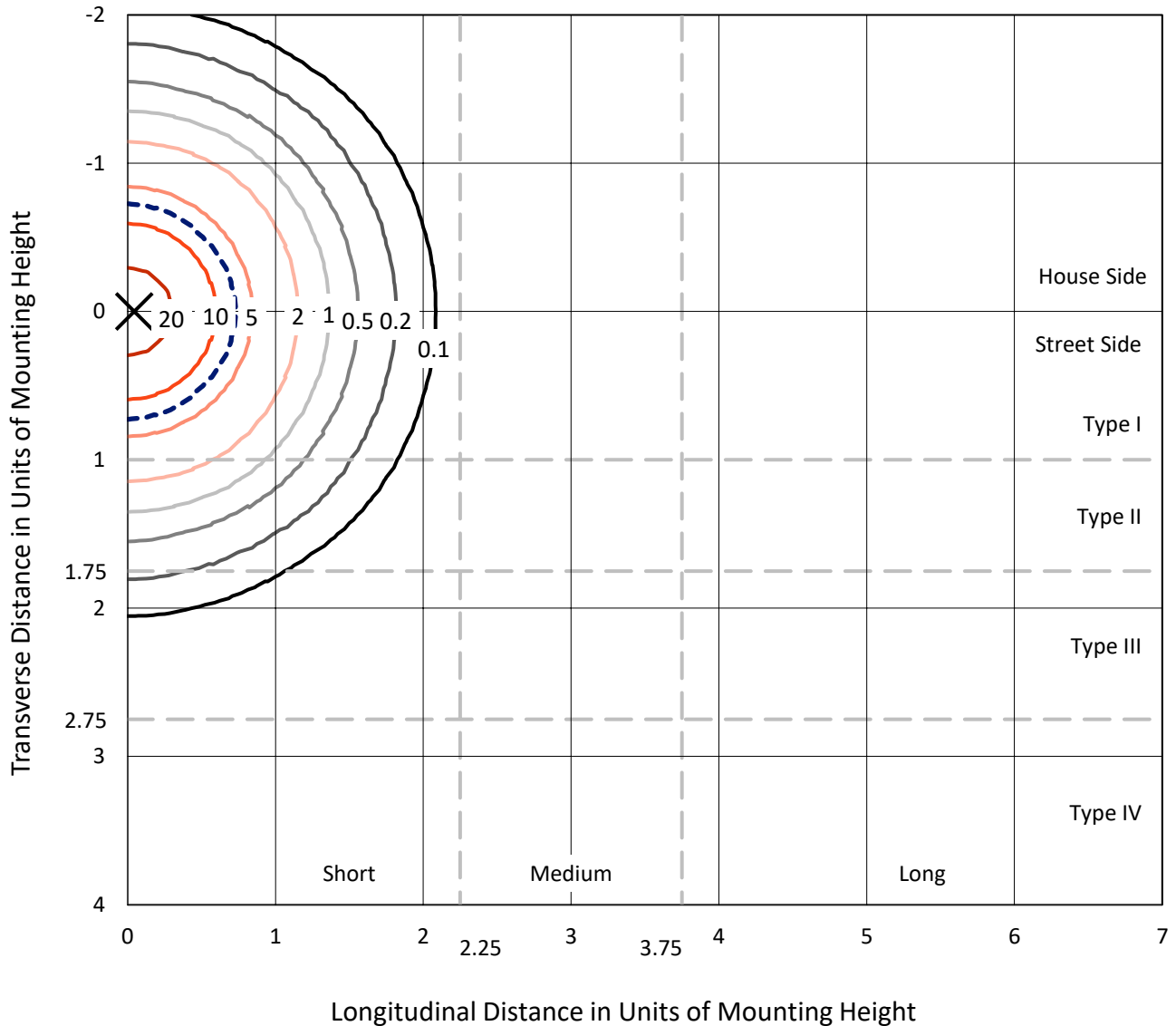
Lumens per Lamp: N/A
Luminaire Lumens: 34279.8 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

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

REPORT NUMBER: P524201
 CATALOG NUMBER: IFLD-S-SA6D-940-U-66

Iso-Footcandle Lines of Horizontal Illumination

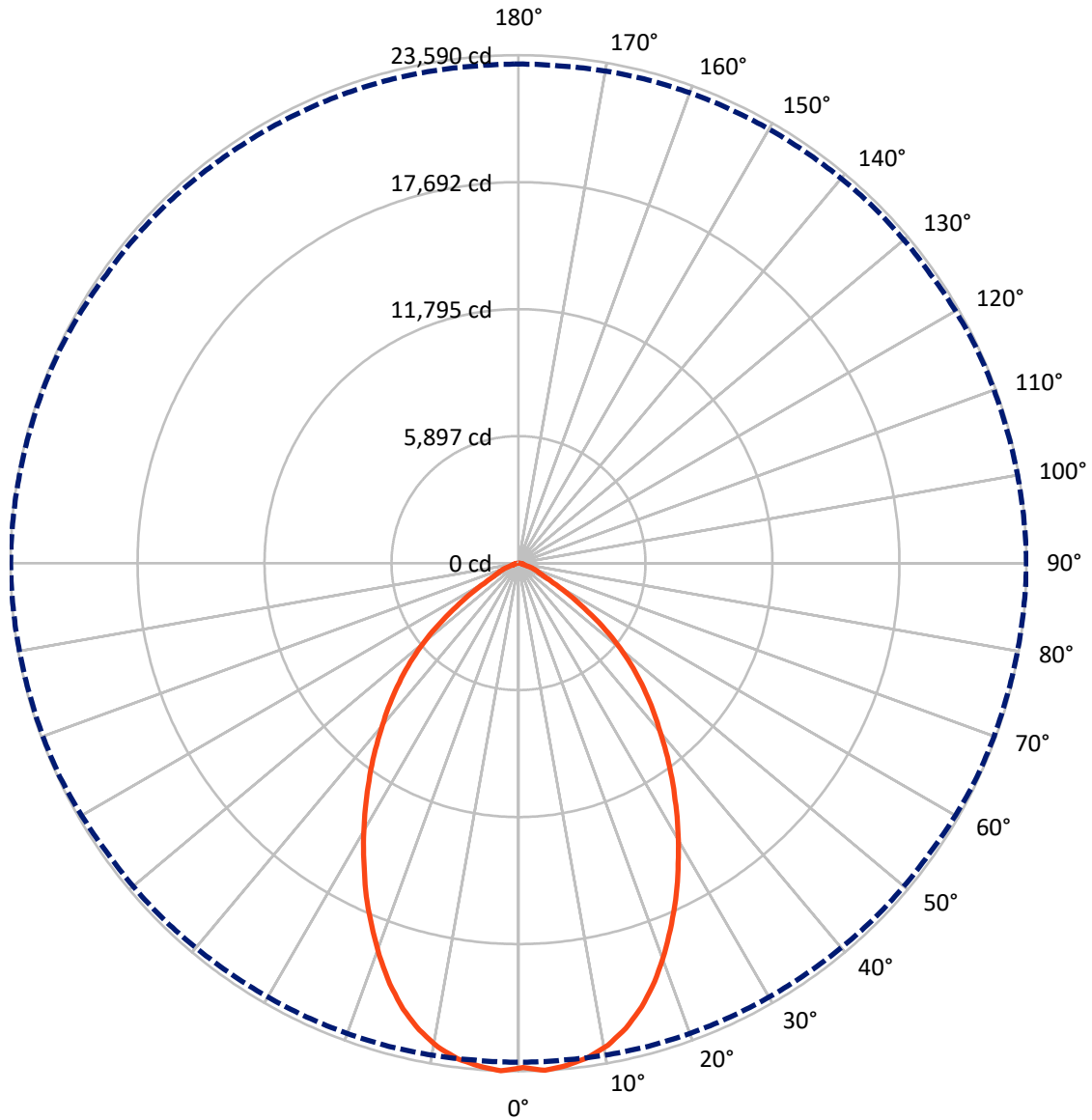
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 26 fc
 Type V - Short - N/A

REPORT NUMBER: P524201
CATALOG NUMBER: IFLD-S-SA6D-940-U-66

Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

REPORT NUMBER: P524201

CATALOG NUMBER: IFLD-S-SA6D-940-U-66

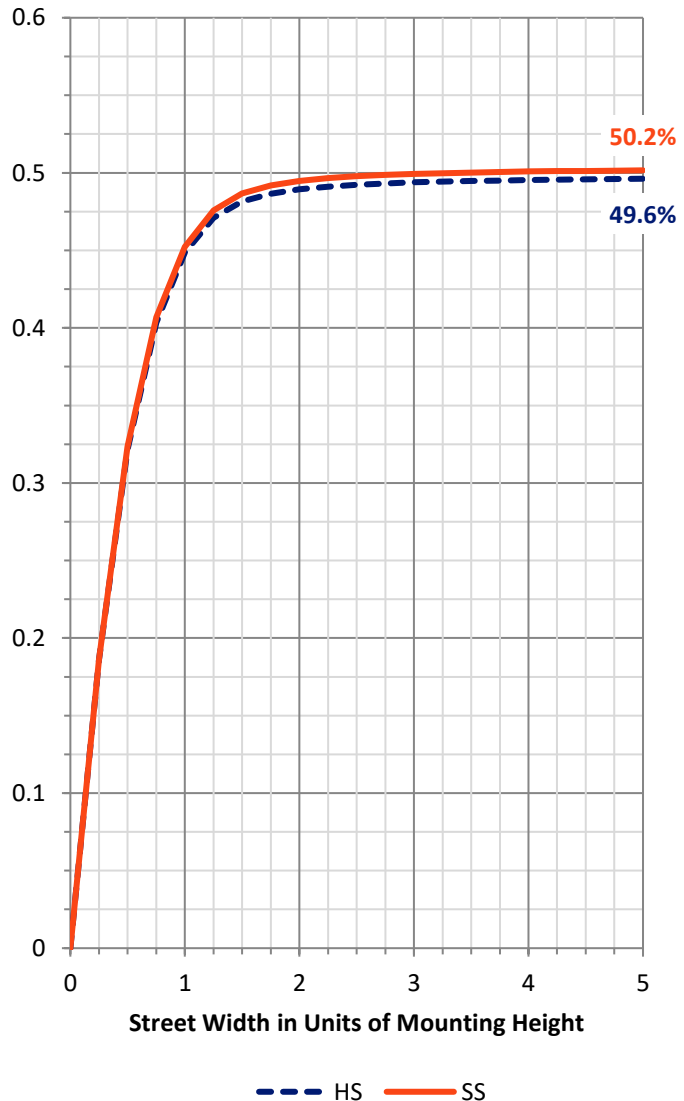
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17139.9	0.0	17139.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17139.9	0.0	17139.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	34279.8	0.0	34279.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2199.6	6.4
10°-20°	5910.5	17.2
20°-30°	7646.9	22.3
30°-40°	7541.7	22.0
40°-50°	6101.6	17.8
50°-60°	3322.1	9.7
60°-70°	1052.6	3.1
70°-80°	407.3	1.2
80°-90°	97.3	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°-90°	34279.8	100.0
0°-180°	34279.8	100.0

Coefficient of Utilization



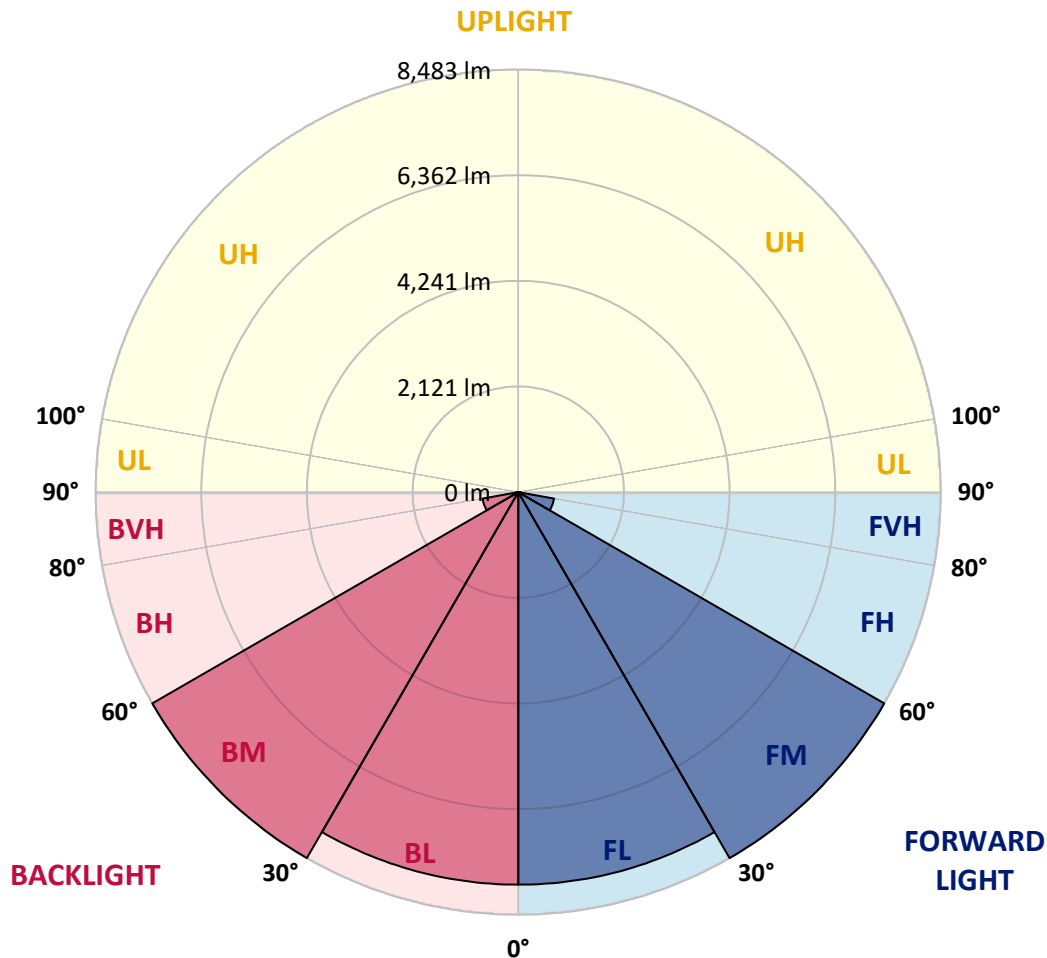
REPORT NUMBER: P524201
 CATALOG NUMBER: IFLD-S-SA6D-940-U-66

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	7878.5	23.0			
FM	(30°-60°)	8482.7	24.7			
FH	(60°-80°)	729.9	2.1			G1/1800
FVH	(80°-90°)	48.7	0.1			G1/100
BL	(0°-30°)	7878.5	23.0	B5		
BM	(30°-60°)	8482.7	24.7	B4/8500		
BH	(60°-80°)	729.9	2.1	B2/1000		G1/1800
BVH	(80°-90°)	48.7	0.1			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: P524201
 CATALOG NUMBER: IFLD-S-SA6D-940-U-66

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	23431.1	23431.1	23431.1	23431.1	23431.1	23431.1	23431.1	23431.1	23431.1	23431.1	23431.1
2.5°	23178.6	23173.6	23233.0	23257.8	23287.5	23346.9	23366.8	23495.5	23510.4	23559.9	23589.6
5°	23138.9	23119.1	23178.6	23188.5	23223.1	23233.0	23262.7	23351.9	23342.0	23416.3	23431.1
7.5°	22926.0	22901.2	22950.7	22960.6	23010.2	22995.3	23044.8	23109.2	23109.2	23163.7	23188.5
10°	22450.5	22445.6	22495.1	22500.0	22569.4	22554.5	22633.8	22648.6	22688.2	22727.9	22772.4
12.5°	21880.9	21816.6	21880.9	21856.2	21950.3	21895.8	22004.8	22039.4	22059.2	22128.6	22163.3
15°	21148.0	21068.7	21113.3	21088.5	21148.0	21078.6	21192.5	21261.9	21286.6	21356.0	21390.6
17.5°	20167.3	20102.9	20112.8	20078.2	20117.8	20063.3	20172.3	20281.2	20315.9	20390.2	20439.7
20°	18934.1	18934.1	18939.1	18909.3	18944.0	18889.5	18958.9	19127.3	19161.9	19261.0	19345.2
22.5°	17730.6	17730.6	17745.5	17705.8	17715.7	17691.0	17765.3	17928.7	17983.2	18087.2	18191.2
25°	16576.6	16556.8	16566.7	16532.1	16492.4	16502.3	16591.5	16695.5	16814.4	16948.1	17027.3
27.5°	15477.1	15501.9	15442.5	15417.7	15388.0	15333.5	15437.5	15566.3	15650.5	15759.4	15799.1
30°	14303.3	14352.9	14308.3	14288.5	14214.2	14144.9	14253.8	14382.6	14466.8	14570.8	14615.4
32.5°	13258.3	13243.5	13203.9	13159.3	13085.0	13030.5	13075.1	13223.7	13288.0	13397.0	13411.9
35°	12139.0	12129.1	12104.4	12015.2	11990.4	11926.1	11965.7	12094.4	12144.0	12208.4	12257.9
37.5°	11044.5	11009.8	10999.9	10965.2	10920.7	10905.8	10905.8	10975.1	11024.7	11089.1	11138.6
40°	9959.8	9969.7	9940.0	9910.3	9895.5	9875.6	9880.6	9920.2	9959.8	9989.6	10019.3
42.5°	8979.2	8924.7	8904.9	8875.2	8890.1	8914.8	8860.3	8919.8	8969.3	8969.3	9033.7
45°	7855.0	7879.7	7889.6	7939.1	7939.1	7914.4	7894.6	7924.3	7973.8	7968.9	8033.3
47.5°	6874.3	6844.6	6869.4	6943.7	7008.0	7018.0	6958.5	6973.4	6988.2	6963.5	7022.9
50°	5799.6	5809.5	5804.5	5918.5	6047.2	6002.7	5958.1	5972.9	5968.0	5968.0	5977.9
52.5°	4630.8	4655.5	4625.8	4789.2	4927.9	4893.2	4863.5	4863.5	4888.3	4883.3	4878.4
55°	3565.9	3556.0	3491.6	3570.9	3694.7	3699.7	3655.1	3674.9	3699.7	3724.4	3719.5
57.5°	2654.6	2624.9	2535.8	2540.7	2679.4	2714.1	2674.4	2669.5	2699.2	2709.1	2763.6
60°	1787.9	1783.0	1703.7	1698.8	1753.2	1847.4	1802.8	1802.8	1812.7	1827.5	1842.4
62.5°	1223.3	1233.2	1203.5	1198.5	1208.5	1287.7	1282.7	1277.8	1272.8	1292.6	1287.7
65°	960.8	965.8	955.9	955.9	960.8	995.5	1030.2	1035.1	1040.1	1045.0	1040.1
67.5°	772.6	777.6	767.7	777.6	777.6	782.5	832.1	851.9	856.8	856.8	851.9
70°	594.3	614.1	624.0	624.0	624.0	624.0	658.7	683.5	678.5	648.8	619.1
72.5°	297.2	361.5	500.2	505.2	500.2	495.3	515.1	539.8	534.9	376.4	282.3
75°	198.1	213.0	391.3	411.1	406.1	386.3	406.1	435.8	425.9	242.7	232.8
77.5°	113.9	123.8	262.5	302.1	326.9	282.3	321.9	351.6	336.8	198.1	193.2
80°	89.1	84.2	188.2	232.8	222.9	178.3	262.5	282.3	257.5	148.6	133.7
82.5°	54.5	54.5	123.8	178.3	163.4	104.0	183.2	217.9	193.2	109.0	99.1
85°	29.7	34.7	59.4	89.1	94.1	69.3	99.1	118.9	118.9	69.3	69.3
87.5°	14.9	14.9	19.8	19.8	24.8	29.7	29.7	34.7	24.8	19.8	19.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)