

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: P636069

Luminaire Tested: **IFLD-L-SA8D-935-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636069
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8D-935-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (128) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35173.7 lumens
Efficiency: N/A
Efficacy: 72.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

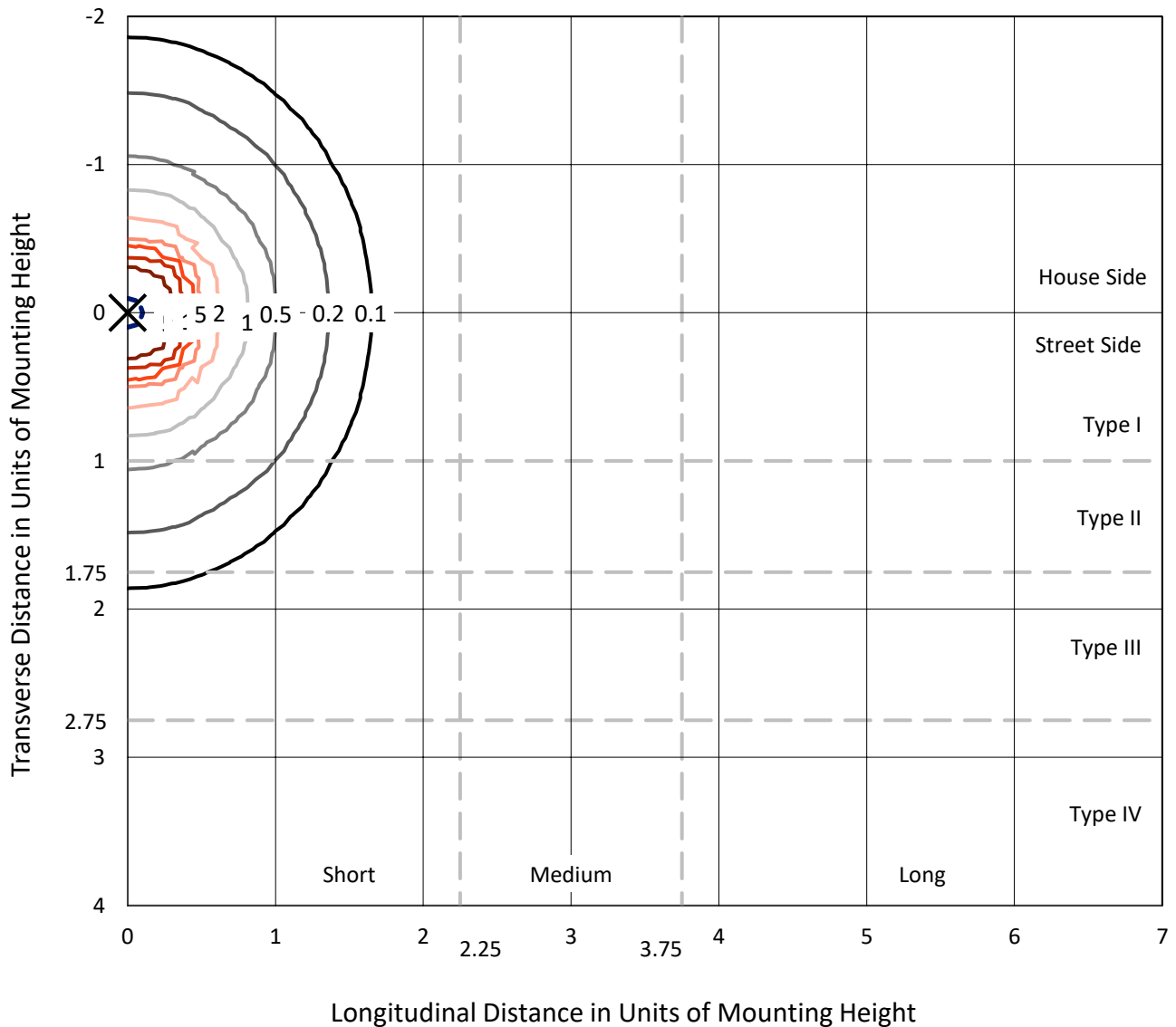
Input Watts (W): 488.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P636069
 CATALOG NUMBER: IFLD-L-SA8D-935-U-22-VI

Iso-Footcandle Lines of Horizontal Illumination

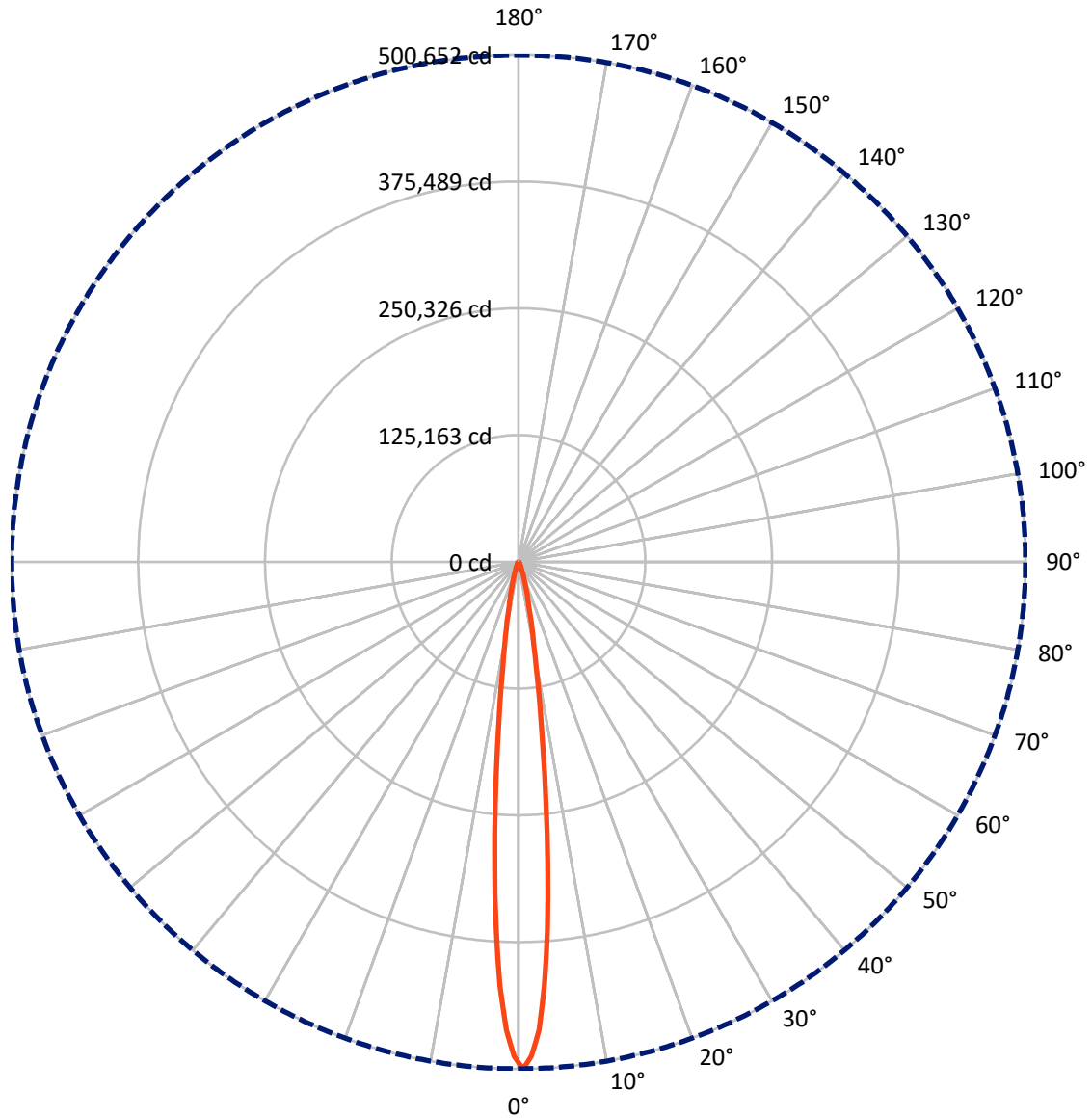
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1251.6 fc
 Type V - Short - N/A

REPORT NUMBER: P636069
CATALOG NUMBER: IFLD-L-SA8D-935-U-22-VI

Luminous Intensity Polar Plot



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

REPORT NUMBER: P636069
 CATALOG NUMBER: IFLD-L-SA8D-935-U-22-VI

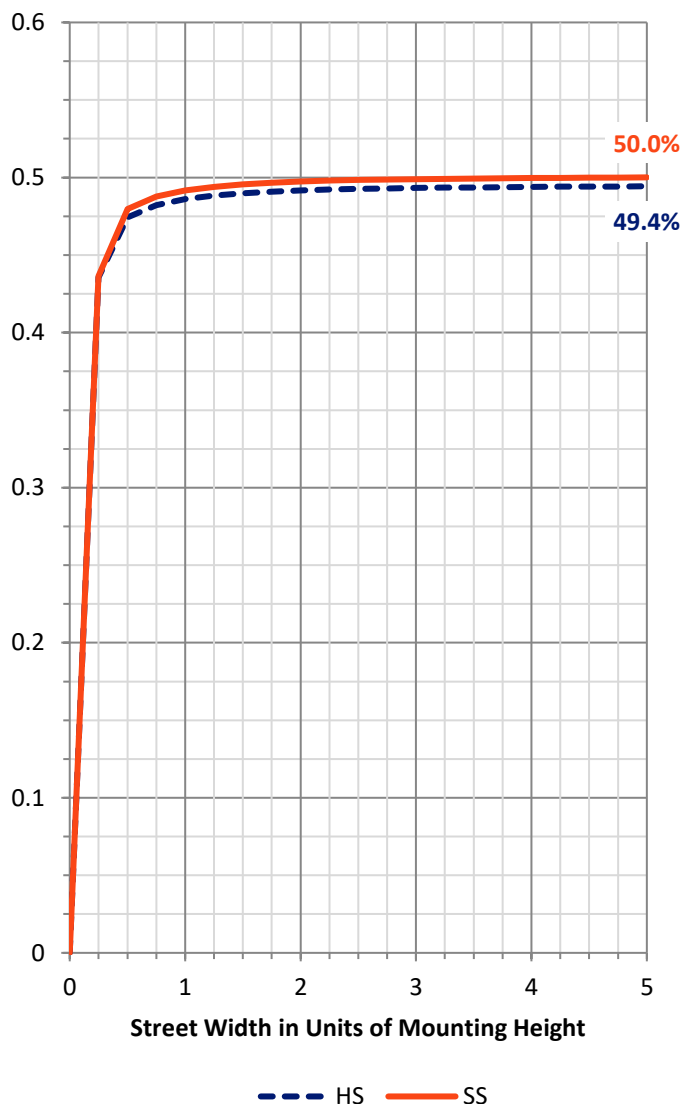
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17586.9	0.0	17586.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17586.9	0.0	17586.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	35173.7	0.0	35173.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21441.2	61.0
10°-20°	9605.8	27.3
20°-30°	2145.2	6.1
30°-40°	700.2	2.0
40°-50°	482.9	1.4
50°-60°	364.8	1.0
60°-70°	249.7	0.7
70°-80°	131.5	0.4
80°-90°	52.5	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°	35173.7	100.0
0°-180°	35173.7	100.0

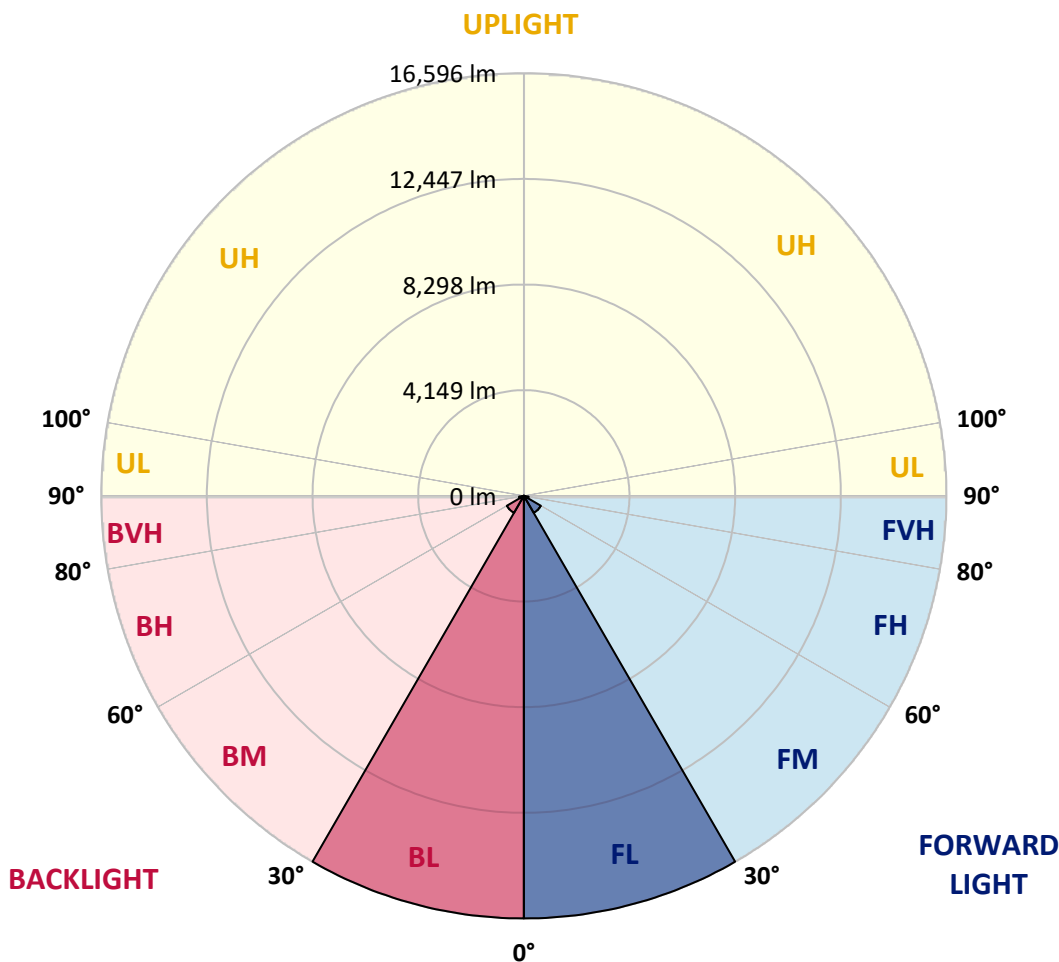


REPORT NUMBER: P636069
 CATALOG NUMBER: IFLD-L-SA8D-935-U-22-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	16596.1	47.2			
FM (30°-60°)	773.9	2.2			
FH (60°-80°)	190.6	0.5			G0/660
FVH (80°-90°)	26.2	0.1			G1/100
BL (0°-30°)	16596.1	47.2	B5		
BM (30°-60°)	773.9	2.2	B1/1000		
BH (60°-80°)	190.6	0.5	B1/500		G0/660
BVH (80°-90°)	26.2	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: P636069
 CATALOG NUMBER: IFLD-L-SA8D-935-U-22-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	500652.0	500652.0	500652.0	500652.0	500652.0	500652.0	500652.0	500652.0	500652.0	500652.0
1°	488222.0	488886.1	488146.8	491880.8	493422.0	494223.9	494317.9	496423.0	494800.3	495251.4
2°	462491.1	463969.7	461495.0	463888.2	468674.8	470485.4	467534.5	471180.8	469877.7	470635.8
3°	419255.5	421066.1	417645.4	420571.2	426729.8	428108.1	423271.5	428452.7	428321.2	429411.3
4°	363527.3	366465.6	361578.8	365043.4	367768.8	372567.9	367881.5	373777.0	373664.3	375556.3
5°	300268.4	303444.8	299197.0	302793.2	305374.5	307160.0	305443.4	311965.4	312378.9	314333.6
6°	238369.0	241332.4	236589.7	240023.0	244114.1	244847.1	244402.3	250015.9	251262.6	249740.2
7°	183449.0	184188.2	183442.7	186562.7	189845.6	189964.7	190541.1	195478.0	196574.4	196048.1
8°	140495.3	137112.1	140019.2	141673.1	142688.1	147349.3	147693.9	150181.2	152198.5	152342.6
9°	106945.6	103813.0	107177.4	107835.2	110165.9	114307.1	113787.1	116506.2	117771.7	117690.3
10°	81534.3	79942.9	81628.2	82355.0	84272.1	87780.6	88388.3	89635.1	90574.8	91188.8
12.5°	44244.3	44613.9	45591.3	46355.6	48936.8	49870.4	50246.3	50352.8	50346.5	50446.7
15°	27485.1	27785.8	28468.7	29853.3	31425.8	32584.9	32747.8	32146.3	31626.3	31544.9
17.5°	17141.4	17022.3	18626.2	20142.4	22034.4	22635.9	22009.4	21320.2	20612.2	20205.0
20°	10287.3	10368.8	10913.8	11590.5	13119.2	14159.2	13507.6	12805.9	12072.9	11590.5
22.5°	5845.4	5933.1	6171.1	6522.0	7104.6	8050.7	7637.2	6929.2	6409.2	6196.2
25°	3452.1	3452.1	3596.2	3752.8	3997.1	4216.4	4128.7	3752.8	3445.8	3358.1
27.5°	2236.6	2217.9	2268.0	2343.2	2455.9	2468.5	2368.2	2255.4	2098.8	2042.4
30°	1635.2	1641.5	1635.2	1666.5	1660.3	1616.4	1553.7	1560.0	1497.4	1491.1
32.5°	1328.2	1334.5	1334.5	1328.2	1296.9	1228.0	1184.1	1228.0	1215.4	1202.9
35°	1102.7	1108.9	1171.6	1165.3	1115.2	1040.0	1008.7	1058.8	1096.4	1040.0
37.5°	952.3	958.6	1008.7	1033.7	971.1	921.0	883.4	927.2	983.6	921.0
40°	839.5	845.8	858.3	864.6	833.3	808.2	789.4	801.9	827.0	795.7
42.5°	739.3	733.0	739.3	733.0	695.4	708.0	695.4	676.6	695.4	670.4
45°	645.3	645.3	645.3	626.5	588.9	614.0	601.5	582.7	588.9	570.1
47.5°	588.9	588.9	588.9	563.9	532.5	532.5	538.8	507.5	513.7	507.5
50°	532.5	532.5	545.1	520.0	494.9	476.1	482.4	457.4	463.6	457.4
52.5°	488.7	488.7	488.7	476.1	457.4	444.8	432.3	419.8	413.5	407.2
55°	469.9	469.9	463.6	426.0	419.8	407.2	382.2	375.9	363.4	357.1
57.5°	438.6	438.6	432.3	401.0	375.9	375.9	338.3	332.1	313.3	313.3
60°	388.4	388.4	382.2	375.9	344.6	325.8	300.7	288.2	269.4	263.1
62.5°	369.6	369.6	357.1	325.8	319.5	288.2	263.1	238.1	225.5	213.0
65°	344.6	338.3	332.1	300.7	275.7	256.9	225.5	194.2	181.7	156.6
67.5°	307.0	307.0	300.7	275.7	250.6	219.3	188.0	162.9	131.6	112.8
70°	269.4	263.1	263.1	238.1	219.3	194.2	150.4	125.3	94.0	75.2
72.5°	225.5	225.5	219.3	200.5	188.0	169.2	131.6	100.2	62.7	50.1
75°	181.7	181.7	175.4	162.9	156.6	137.8	112.8	87.7	50.1	25.1
77.5°	150.4	144.1	144.1	131.6	125.3	112.8	94.0	68.9	37.6	18.8
80°	112.8	112.8	119.0	112.8	100.2	94.0	81.4	62.7	31.3	12.5
82.5°	81.4	81.4	87.7	87.7	87.7	81.4	81.4	62.7	31.3	6.3
85°	56.4	56.4	68.9	62.7	62.7	68.9	100.2	81.4	25.1	6.3
87.5°	31.3	31.3	31.3	25.1	25.1	31.3	37.6	31.3	12.5	6.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
500652.0
491937.2
467929.2
426485.5
372235.8
310599.6
249896.8
195327.6
150525.8
119607.4
91552.2
50528.2
31294.3
20142.4
11697.0
6221.3
3345.6
2042.4
1484.8
1177.8
1027.5
914.7
783.1
670.4
570.1
507.5
457.4
407.2
350.8
313.3
250.6
206.7
150.4
112.8
75.2
43.9
25.1
12.5
6.3
6.3
6.3
6.3
0.0

OF REPORT)