

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: P482292

Luminaire Tested: **IFLD-S-SA3C-722-U-T3-HSS**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P482292
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-722-U-T3-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3
distribution lens with House Side Shield
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

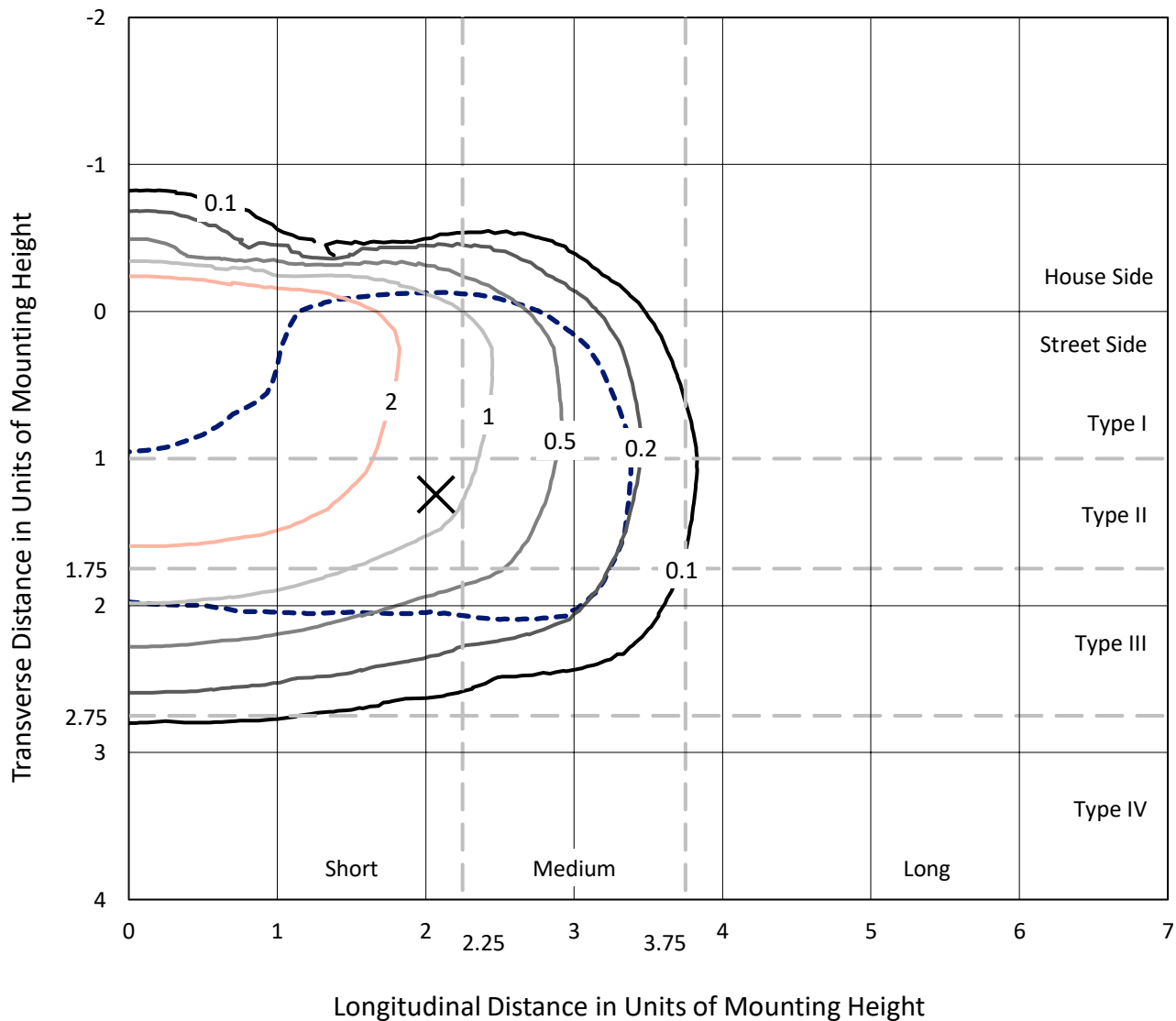
Lumens per Lamp: N/A
Luminaire Lumens: 11577.6 lumens
Efficiency: N/A
Efficacy: 72.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.5')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 160.8
Input Voltage (V): 120
Input Current (A_{in}): 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

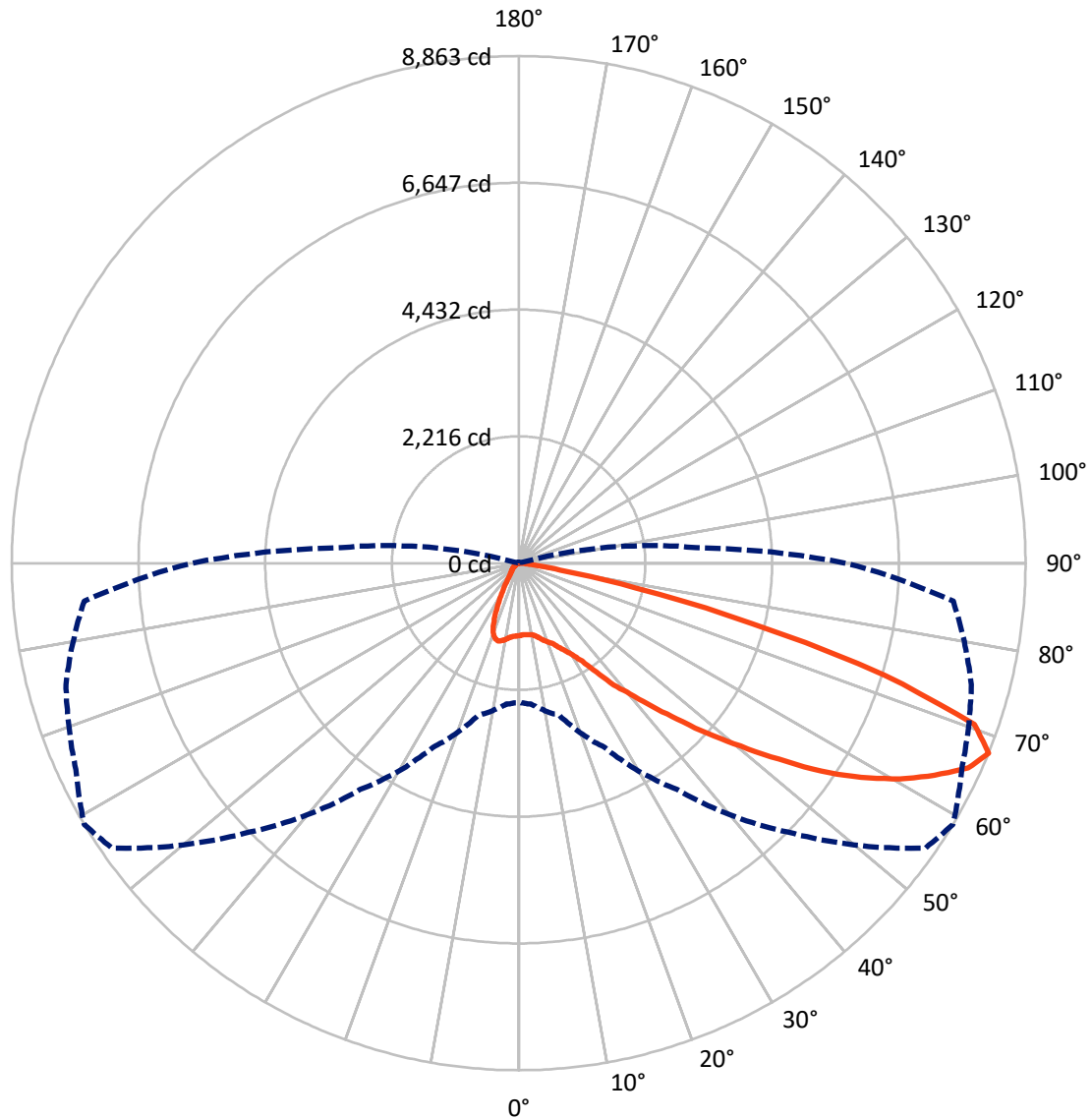
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1360.0	0.0	1360.0
	% Fixture	11.7	0.0	11.7
Street Side	Lumens	10217.6	0.0	10217.6
	% Fixture	88.3	0.0	88.3
Total	Lumens	11577.6	0.0	11577.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.6	1.0
10°-20°	348.4	3.0
20°-30°	609.0	5.3
30°-40°	1072.2	9.3
40°-50°	1895.2	16.4
50°-60°	3000.8	25.9
60°-70°	3328.7	28.8
70°-80°	1155.0	10.0
80°-90°	47.6	0.4
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°	11577.6	100.0
0°-180°	11577.6	100.0

Coefficient of Utilization

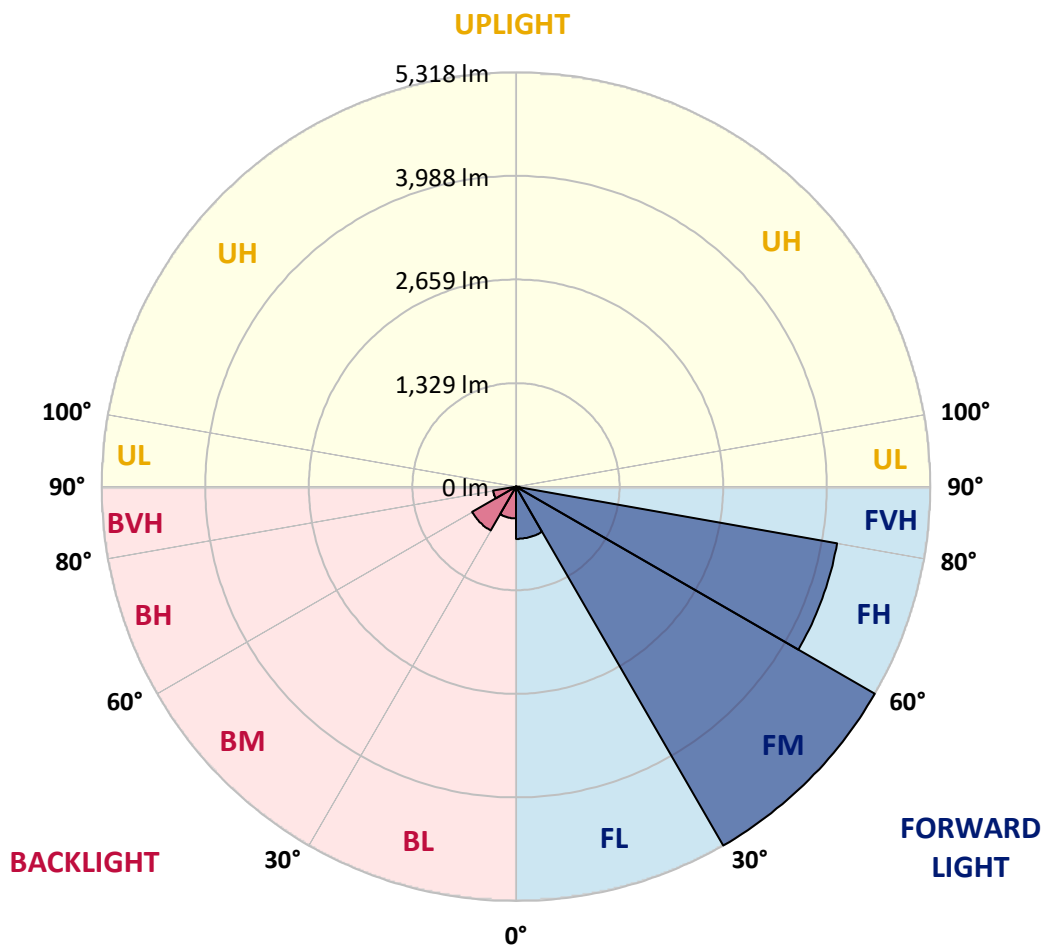


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	670.4	5.8			
FM (30°-60°)	5318.0	45.9			
FH (60°-80°)	4184.7	36.1			G2/5000
FVH (80°-90°)	44.5	0.4			G1/100
BL (0°-30°)	407.6	3.5	B1/500		
BM (30°-60°)	650.2	5.6	B1/1000		
BH (60°-80°)	299.1	2.6	B1/500		G1/500
BVH (80°-90°)	3.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	1269.8	1269.8	1269.8	1269.8	1269.8	1269.8	1269.8	1269.8	1269.8	1269.8	1269.8
2.5°	1233.1	1215.5	1231.5	1233.1	1234.7	1249.1	1265.1	1253.9	1252.3	1265.1	1276.2
5°	1183.5	1175.5	1194.7	1204.3	1220.3	1233.1	1258.7	1260.3	1261.9	1276.2	1295.4
7.5°	1162.7	1143.5	1165.9	1177.1	1188.3	1218.7	1249.1	1265.1	1287.4	1305.0	1324.2
10°	1121.1	1135.5	1141.9	1161.1	1193.1	1228.3	1265.1	1273.0	1322.6	1337.0	1383.4
12.5°	1135.5	1145.1	1157.9	1162.7	1197.9	1250.7	1300.2	1303.4	1354.6	1417.0	1441.0
15°	1172.3	1165.9	1170.7	1177.1	1218.7	1261.9	1341.8	1356.2	1404.2	1474.6	1533.7
17.5°	1250.7	1239.5	1231.5	1229.9	1239.5	1279.4	1373.8	1417.0	1461.8	1557.7	1588.1
20°	1447.4	1437.8	1405.8	1322.6	1293.8	1309.8	1412.2	1473.0	1535.3	1642.5	1692.1
22.5°	1746.4	1756.0	1680.9	1564.1	1444.2	1381.8	1473.0	1525.7	1624.9	1760.8	1805.6
25°	2099.9	2080.7	1989.5	1853.6	1664.9	1517.7	1570.5	1629.7	1751.2	1863.2	1880.8
27.5°	2376.6	2354.2	2283.8	2119.1	1956.0	1717.7	1698.5	1735.2	1879.2	1979.9	1960.7
30°	2650.0	2658.0	2610.1	2415.0	2213.4	1962.3	1840.8	1856.8	1967.1	2096.7	2053.5
32.5°	2998.7	2979.5	2952.3	2781.2	2542.9	2274.2	2066.3	2040.7	2088.7	2259.8	2208.6
35°	3323.4	3312.2	3275.4	3102.7	2894.7	2602.1	2399.0	2341.4	2330.2	2520.5	2430.9
37.5°	3606.4	3587.2	3531.3	3420.9	3219.4	2973.1	2750.8	2699.6	2698.0	2829.2	2656.4
40°	3844.7	3859.1	3852.7	3731.2	3620.8	3424.1	3083.5	3001.9	2995.5	3065.9	2965.1
42.5°	4153.4	4187.0	4169.4	4145.4	4012.7	3935.9	3550.5	3425.7	3369.7	3513.7	3422.5
45°	4620.4	4633.2	4644.4	4585.2	4452.5	4468.5	4033.4	3884.7	3870.3	4084.6	3879.9
47.5°	5057.0	5023.4	5101.8	5105.0	5098.6	5025.0	4554.8	4444.5	4463.7	4626.8	4415.7
50°	5165.8	5252.1	5468.0	5508.0	5612.0	5679.1	5133.8	5023.4	5055.4	5240.9	4999.4
52.5°	5250.5	5381.7	5597.6	5890.2	6170.1	6330.1	5781.5	5691.9	5690.3	5803.9	5471.2
55°	5399.3	5479.2	5666.3	6069.4	6601.9	6864.2	6561.9	6418.0	6288.5	6368.4	5960.6
57.5°	5384.9	5415.2	5706.3	6203.7	6944.2	7420.8	7203.3	7065.7	6899.4	6853.0	6523.6
60°	5132.2	5204.1	5530.4	6112.5	7155.3	7854.2	7801.4	7660.7	7374.4	7265.6	6955.4
62.5°	4631.6	4727.5	4983.4	5792.7	6848.2	7876.6	8214.0	8161.3	7841.4	7646.3	7518.3
65°	3753.6	3798.3	4092.6	4980.2	6154.1	7532.7	8701.8	8636.2	8342.0	8050.9	7807.8
67.5°	2430.9	2474.1	2757.2	3555.3	4833.1	6645.1	8682.6	8863.3	8545.1	8194.8	7627.1
70°	1148.3	1137.1	1401.0	1975.1	3096.3	5074.6	8095.7	8452.3	8182.0	7428.8	6334.8
72.5°	350.2	380.6	582.1	874.8	1589.7	3165.0	6346.0	6680.3	6595.5	5935.0	4228.6
75°	155.1	167.9	228.7	358.2	644.5	1298.6	3919.9	4217.4	4180.6	3500.9	1930.4
77.5°	99.2	108.8	143.9	204.7	292.7	412.6	1805.6	2095.1	2031.1	1229.9	505.4
80°	70.4	75.2	102.4	140.7	183.9	169.5	622.1	738.9	708.5	334.3	135.9
82.5°	38.4	41.6	75.2	104.0	123.1	86.4	174.3	217.5	227.1	148.7	65.6
85°	14.4	17.6	46.4	73.6	64.0	40.0	51.2	62.4	81.6	81.6	30.4
87.5°	0.0	1.6	19.2	32.0	16.0	11.2	14.4	17.6	22.4	38.4	11.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1269.8	1269.8	1269.8	1269.8	1269.8	1269.8	1269.8	1269.8	1269.8	1269.8	1269.8
2.5°	1284.2	1273.0	1277.8	1285.8	1268.2	1277.8	1258.7	1273.0	1277.8	1258.7	1268.2
5°	1300.2	1311.4	1305.0	1292.2	1281.0	1284.2	1279.4	1268.2	1277.8	1281.0	1274.6
7.5°	1346.6	1333.8	1337.0	1322.6	1300.2	1298.6	1268.2	1260.3	1263.5	1266.6	1255.5
10°	1389.8	1397.8	1381.8	1370.6	1333.8	1309.8	1268.2	1223.5	1218.7	1199.5	1215.5
12.5°	1466.6	1447.4	1441.0	1404.2	1367.4	1287.4	1197.9	1129.1	1071.5	1050.7	1030.0
15°	1530.5	1527.3	1516.1	1460.2	1375.4	1229.9	1060.3	900.4	790.1	721.3	711.7
17.5°	1618.5	1604.1	1583.3	1495.4	1316.2	1079.5	790.1	588.5	478.2	435.0	419.0
20°	1685.7	1674.5	1645.7	1487.4	1209.1	804.5	489.4	374.2	347.0	339.1	340.7
22.5°	1783.2	1748.0	1693.7	1447.4	1014.0	535.8	351.8	334.3	329.5	323.1	324.7
25°	1868.0	1836.0	1722.5	1378.6	722.9	355.0	326.3	316.7	308.7	300.7	299.1
27.5°	1943.2	1903.2	1752.8	1237.9	452.6	305.5	302.3	291.1	275.1	262.3	257.5
30°	2016.7	1970.3	1760.8	974.0	305.5	276.7	268.7	251.1	230.3	212.7	209.5
32.5°	2139.9	2083.9	1749.6	695.7	263.9	246.3	228.7	207.9	177.5	163.1	159.9
35°	2331.8	2247.0	1735.2	409.4	236.7	217.5	190.3	163.1	140.7	126.3	123.1
37.5°	2552.5	2405.4	1693.7	273.5	217.5	191.9	156.7	129.5	110.4	99.2	96.0
40°	2880.3	2637.3	1533.7	223.9	193.5	163.1	126.3	102.4	88.0	80.0	76.8
42.5°	3241.8	2902.7	1287.4	201.5	171.1	139.1	100.8	83.2	72.0	64.0	64.0
45°	3675.2	3179.4	993.2	183.9	151.9	115.1	83.2	67.2	57.6	51.2	48.0
47.5°	4158.2	3430.5	670.1	166.3	127.9	94.4	68.8	51.2	41.6	36.8	36.8
50°	4590.0	3652.8	427.0	145.5	112.0	78.4	56.0	41.6	33.6	27.2	25.6
52.5°	4981.8	3822.3	294.3	127.9	96.0	64.0	46.4	33.6	25.6	20.8	20.8
55°	5383.3	3908.7	217.5	110.4	83.2	54.4	38.4	30.4	22.4	17.6	16.0
57.5°	5712.7	3945.5	166.3	96.0	70.4	43.2	33.6	25.6	19.2	14.4	12.8
60°	5994.2	3927.9	129.5	80.0	56.0	36.8	28.8	20.8	16.0	11.2	9.6
62.5°	6158.9	3822.3	102.4	68.8	44.8	32.0	24.0	17.6	11.2	8.0	6.4
65°	6162.1	3598.4	80.0	51.2	33.6	27.2	20.8	14.4	8.0	3.2	1.6
67.5°	5720.7	3113.8	64.0	40.0	27.2	20.8	16.0	11.2	3.2	0.0	0.0
70°	4474.9	2355.8	52.8	32.0	22.4	17.6	11.2	6.4	1.6	0.0	0.0
72.5°	2851.6	1410.6	43.2	25.6	19.2	12.8	8.0	4.8	0.0	0.0	0.0
75°	1193.1	435.0	33.6	22.4	14.4	9.6	6.4	1.6	0.0	0.0	0.0
77.5°	307.1	137.5	27.2	19.2	14.4	8.0	4.8	1.6	0.0	0.0	0.0
80°	91.2	51.2	22.4	16.0	11.2	6.4	3.2	1.6	0.0	0.0	0.0
82.5°	41.6	30.4	19.2	14.4	9.6	6.4	3.2	0.0	0.0	0.0	0.0
85°	16.0	9.6	9.6	8.0	8.0	4.8	1.6	0.0	0.0	0.0	0.0
87.5°	6.4	3.2	3.2	3.2	1.6	1.6	0.0	0.0	0.0	0.0	0.0
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)