

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: P482369

Luminaire Tested: **IFLD-S-SA3B-730-U-T3-HSS**

Issue Date: 02/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P482369  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3B-730-U-T3-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3  
distribution lens with House Side Shield  
Light Source: (48) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

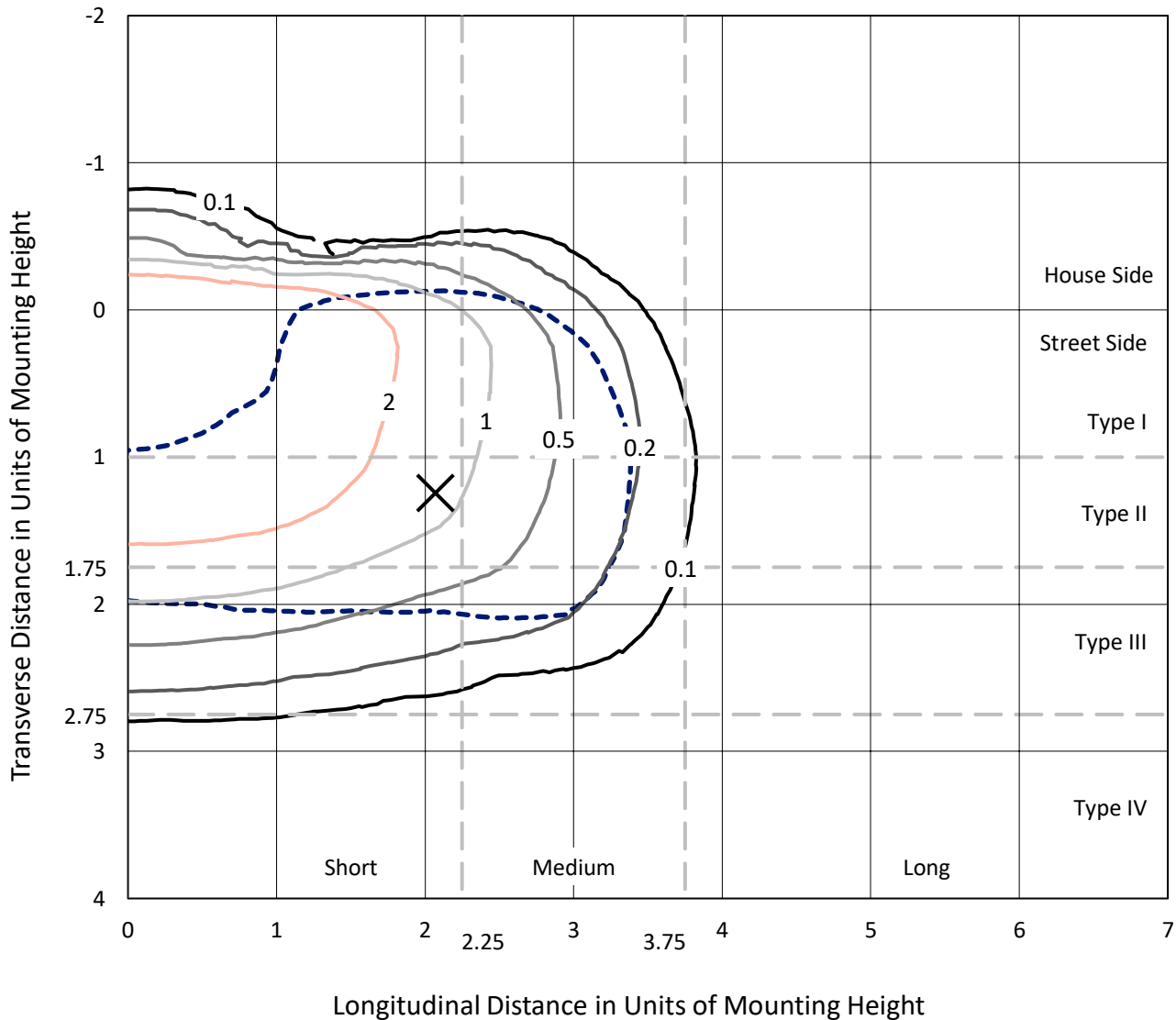
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11497.4 lumens  
Efficiency: N/A  
Efficacy: 93.9 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): 122.4  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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

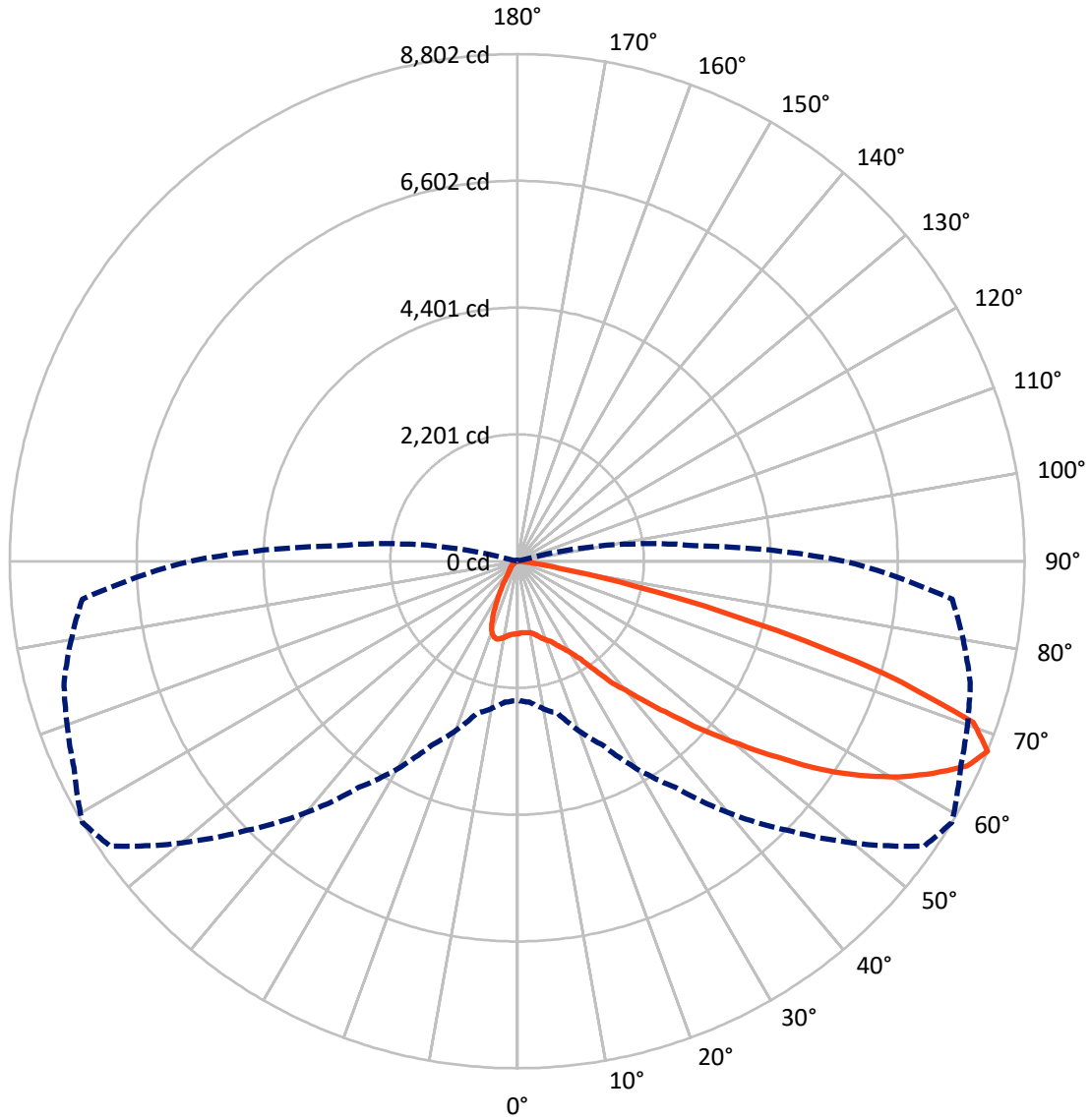
✕ Max cd  
 - - - 1/2 Max cd



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
<b>House Side</b>	Lumens	1350.6	0.0	1350.6
	% Fixture	11.7	0.0	11.7
<b>Street Side</b>	Lumens	10146.8	0.0	10146.8
	% Fixture	88.3	0.0	88.3
<b>Total</b>	Lumens	11497.4	0.0	11497.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.8	1.0
10°-20°	346.0	3.0
20°-30°	604.8	5.3
30°-40°	1064.7	9.3
40°-50°	1882.1	16.4
50°-60°	2980.1	25.9
60°-70°	3305.7	28.8
70°-80°	1147.0	10.0
80°-90°	47.2	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°	11497.4	100.0
0°-180°	11497.4	100.0

**Coefficient of Utilization**

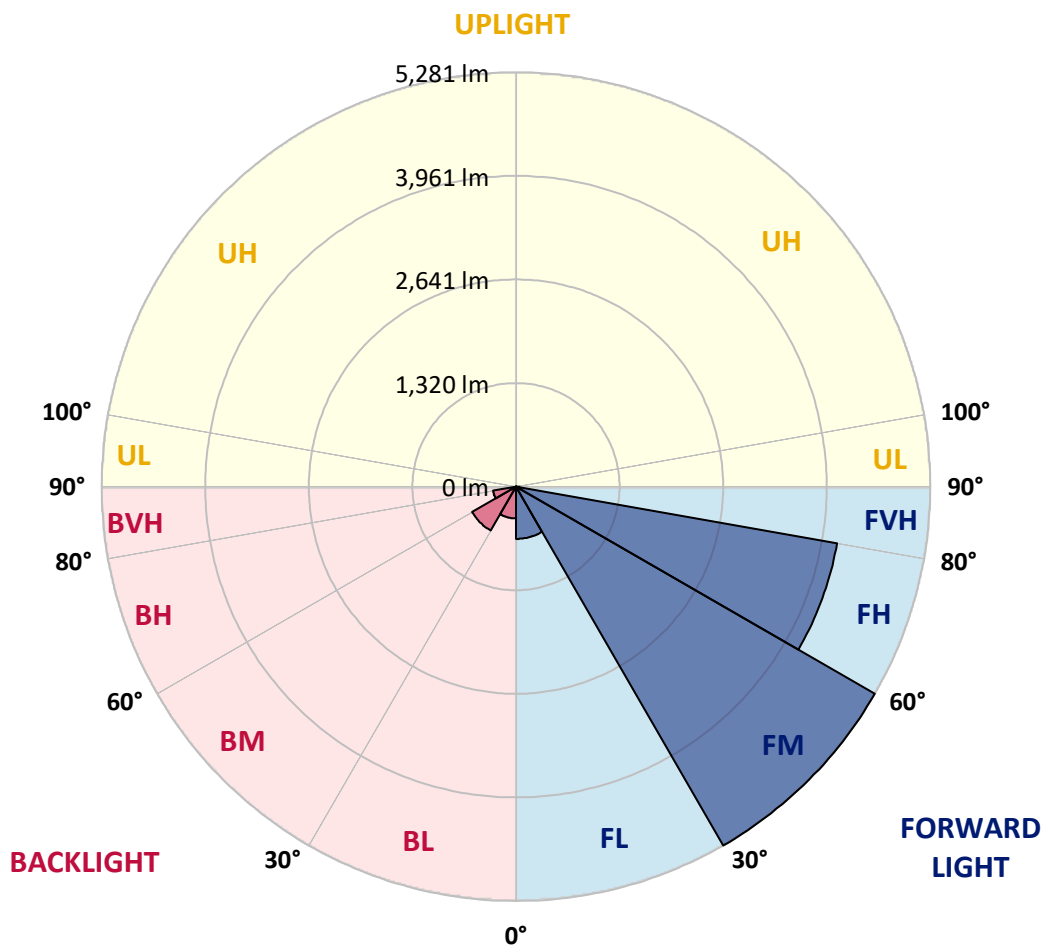


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	665.8	5.8			
FM (30°-60°)	5281.2	45.9			
FH (60°-80°)	4155.7	36.1			G2/5000
FVH (80°-90°)	44.2	0.4			G1/100
BL (0°-30°)	404.8	3.5	B1/500		
BM (30°-60°)	645.7	5.6	B1/1000		
BH (60°-80°)	297.0	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°	1261.1	1261.1	1261.1	1261.1	1261.1	1261.1	1261.1	1261.1	1261.1	1261.1	1261.1
2.5°	1224.5	1207.1	1222.9	1224.5	1226.1	1240.4	1256.3	1245.2	1243.6	1256.3	1267.4
5°	1175.3	1167.4	1186.4	1195.9	1211.8	1224.5	1249.9	1251.5	1253.1	1267.4	1286.5
7.5°	1154.6	1135.6	1157.8	1168.9	1180.1	1210.2	1240.4	1256.3	1278.5	1296.0	1315.1
10°	1113.4	1127.6	1134.0	1153.1	1184.8	1219.8	1256.3	1264.2	1313.5	1327.8	1373.8
12.5°	1127.6	1137.2	1149.9	1154.6	1189.6	1242.0	1291.2	1294.4	1345.2	1407.2	1431.0
15°	1164.2	1157.8	1162.6	1168.9	1210.2	1253.1	1332.5	1346.8	1394.5	1464.4	1523.1
17.5°	1242.0	1230.9	1222.9	1221.4	1230.9	1270.6	1364.3	1407.2	1451.6	1546.9	1577.1
20°	1437.4	1427.8	1396.1	1313.5	1284.9	1300.8	1402.4	1462.8	1524.7	1631.1	1680.4
22.5°	1734.4	1743.9	1669.2	1553.3	1434.2	1372.2	1462.8	1515.2	1613.6	1748.6	1793.1
25°	2085.4	2066.3	1975.8	1840.8	1653.4	1507.2	1559.6	1618.4	1739.1	1850.3	1867.8
27.5°	2360.1	2337.9	2268.0	2104.4	1942.4	1705.8	1686.7	1723.2	1866.2	1966.2	1947.2
30°	2631.7	2639.6	2592.0	2398.2	2198.1	1948.8	1828.1	1843.9	1953.5	2082.2	2039.3
32.5°	2977.9	2958.9	2931.9	2761.9	2525.3	2258.5	2052.0	2026.6	2074.2	2244.2	2193.4
35°	3300.4	3289.2	3252.7	3081.2	2874.7	2584.1	2382.4	2325.2	2314.1	2503.1	2414.1
37.5°	3581.5	3562.4	3506.8	3397.2	3197.1	2952.5	2731.8	2680.9	2679.4	2809.6	2638.1
40°	3818.1	3832.4	3826.1	3705.4	3595.8	3400.4	3062.1	2981.1	2974.8	3044.6	2944.6
42.5°	4124.6	4158.0	4140.5	4116.7	3984.9	3908.6	3525.9	3402.0	3346.4	3489.4	3398.8
45°	4588.4	4601.1	4612.2	4553.5	4421.6	4437.5	4005.5	3857.8	3843.5	4056.4	3853.1
47.5°	5022.0	4988.6	5066.5	5069.6	5063.3	4990.2	4523.3	4413.7	4432.8	4594.8	4385.1
50°	5130.0	5215.8	5430.2	5469.9	5573.1	5639.8	5098.2	4988.6	5020.4	5204.6	4964.8
52.5°	5214.2	5344.4	5558.8	5849.5	6127.4	6286.2	5741.5	5652.5	5650.9	5763.7	5433.4
55°	5361.9	5441.3	5627.1	6027.4	6556.2	6816.7	6516.5	6373.6	6244.9	6324.4	5919.4
57.5°	5347.6	5377.8	5666.8	6160.8	6896.1	7369.4	7153.4	7016.8	6851.6	6805.6	6478.4
60°	5096.6	5168.1	5492.1	6070.2	7105.8	7799.8	7747.4	7607.6	7323.4	7215.4	6907.2
62.5°	4599.5	4694.8	4948.9	5752.6	6800.8	7822.1	8157.2	8104.8	7787.1	7593.4	7466.3
65°	3727.6	3772.1	4064.3	4945.8	6111.5	7480.6	8641.6	8576.5	8284.2	7995.2	7753.8
67.5°	2414.1	2457.0	2738.1	3530.6	4799.6	6599.1	8622.5	8802.0	8485.9	8138.1	7574.3
70°	1140.4	1129.2	1391.3	1961.5	3074.8	5039.5	8039.6	8393.8	8125.4	7377.4	6291.0
72.5°	347.8	378.0	578.1	868.8	1578.7	3143.1	6302.1	6634.1	6549.9	5893.9	4199.3
75°	154.1	166.8	227.1	355.8	640.1	1289.6	3892.8	4188.2	4151.6	3476.6	1917.0
77.5°	98.5	108.0	142.9	203.3	290.6	409.8	1793.1	2080.6	2017.1	1221.4	501.9
80°	69.9	74.6	101.6	139.8	182.6	168.4	617.8	733.8	703.6	331.9	135.0
82.5°	38.1	41.3	74.6	103.2	122.3	85.8	173.1	216.0	225.5	147.7	65.1
85°	14.3	17.5	46.1	73.1	63.5	39.7	50.8	61.9	81.0	81.0	30.2
87.5°	0.0	1.6	19.1	31.8	15.9	11.1	14.3	17.5	22.2	38.1	11.1
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°	1261.1	1261.1	1261.1	1261.1	1261.1	1261.1	1261.1	1261.1	1261.1	1261.1	1261.1
2.5°	1275.4	1264.2	1269.0	1276.9	1259.5	1269.0	1249.9	1264.2	1269.0	1249.9	1259.5
5°	1291.2	1302.4	1296.0	1283.3	1272.2	1275.4	1270.6	1259.5	1269.0	1272.2	1265.8
7.5°	1337.3	1324.6	1327.8	1313.5	1291.2	1289.6	1259.5	1251.5	1254.7	1257.9	1246.8
10°	1380.2	1388.1	1372.2	1361.1	1324.6	1300.8	1259.5	1215.0	1210.2	1191.2	1207.1
12.5°	1456.4	1437.4	1431.0	1394.5	1357.9	1278.5	1189.6	1121.3	1064.1	1043.5	1022.8
15°	1519.9	1516.8	1505.6	1450.1	1365.9	1221.4	1053.0	894.2	784.6	716.3	706.8
17.5°	1607.3	1593.0	1572.4	1485.0	1307.1	1072.1	784.6	584.5	474.9	432.0	416.1
20°	1674.0	1662.9	1634.3	1477.1	1200.7	798.9	486.0	371.6	344.6	336.7	338.3
22.5°	1770.9	1735.9	1681.9	1437.4	1006.9	532.1	349.4	331.9	327.2	320.8	322.4
25°	1855.1	1823.3	1710.5	1369.1	717.9	352.6	324.0	314.5	306.5	298.6	297.0
27.5°	1929.7	1890.0	1740.7	1229.3	449.5	303.4	300.2	289.1	273.2	260.5	255.7
30°	2002.8	1956.7	1748.6	967.2	303.4	274.8	266.8	249.4	228.7	211.2	208.1
32.5°	2125.1	2069.5	1737.5	690.9	262.1	244.6	227.1	206.5	176.3	162.0	158.8
35°	2315.6	2231.5	1723.2	406.6	235.1	216.0	189.0	162.0	139.8	125.5	122.3
37.5°	2534.8	2388.7	1681.9	271.6	216.0	190.6	155.6	128.6	109.6	98.5	95.3
40°	2860.4	2619.0	1523.1	222.4	192.2	162.0	125.5	101.6	87.4	79.4	76.2
42.5°	3219.4	2882.6	1278.5	200.1	169.9	138.2	100.1	82.6	71.5	63.5	63.5
45°	3649.8	3157.4	986.3	182.6	150.9	114.4	82.6	66.7	57.2	50.8	47.6
47.5°	4129.4	3406.8	665.5	165.2	127.1	93.7	68.3	50.8	41.3	36.5	36.5
50°	4558.2	3627.5	424.1	144.5	111.2	77.8	55.6	41.3	33.4	27.0	25.4
52.5°	4947.4	3795.9	292.2	127.1	95.3	63.5	46.1	33.4	25.4	20.6	20.6
55°	5346.0	3881.6	216.0	109.6	82.6	54.0	38.1	30.2	22.2	17.5	15.9
57.5°	5673.2	3918.2	165.2	95.3	69.9	42.9	33.4	25.4	19.1	14.3	12.7
60°	5952.7	3900.7	128.6	79.4	55.6	36.5	28.6	20.6	15.9	11.1	9.5
62.5°	6116.3	3795.9	101.6	68.3	44.5	31.8	23.8	17.5	11.1	7.9	6.4
65°	6119.5	3573.5	79.4	50.8	33.4	27.0	20.6	14.3	7.9	3.2	1.6
67.5°	5681.1	3092.3	63.5	39.7	27.0	20.6	15.9	11.1	3.2	0.0	0.0
70°	4443.9	2339.5	52.4	31.8	22.2	17.5	11.1	6.4	1.6	0.0	0.0
72.5°	2831.8	1400.8	42.9	25.4	19.1	12.7	7.9	4.8	0.0	0.0	0.0
75°	1184.8	432.0	33.4	22.2	14.3	9.5	6.4	1.6	0.0	0.0	0.0
77.5°	304.9	136.6	27.0	19.1	14.3	7.9	4.8	1.6	0.0	0.0	0.0
80°	90.5	50.8	22.2	15.9	11.1	6.4	3.2	1.6	0.0	0.0	0.0
82.5°	41.3	30.2	19.1	14.3	9.5	6.4	3.2	0.0	0.0	0.0	0.0
85°	15.9	9.5	9.5	7.9	7.9	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)