

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: P565409

Luminaire Tested: **IFLD-S-SA6A-AMB-U-SL2-HSS**

Issue Date: 09/02/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P565409  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 09/02/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6A-AMB-U-SL2-HSS  
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square  
Luminaire w/ SL2 distribution lens and House Side Shield  
Light Source: (96) AMB CCT, -- CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

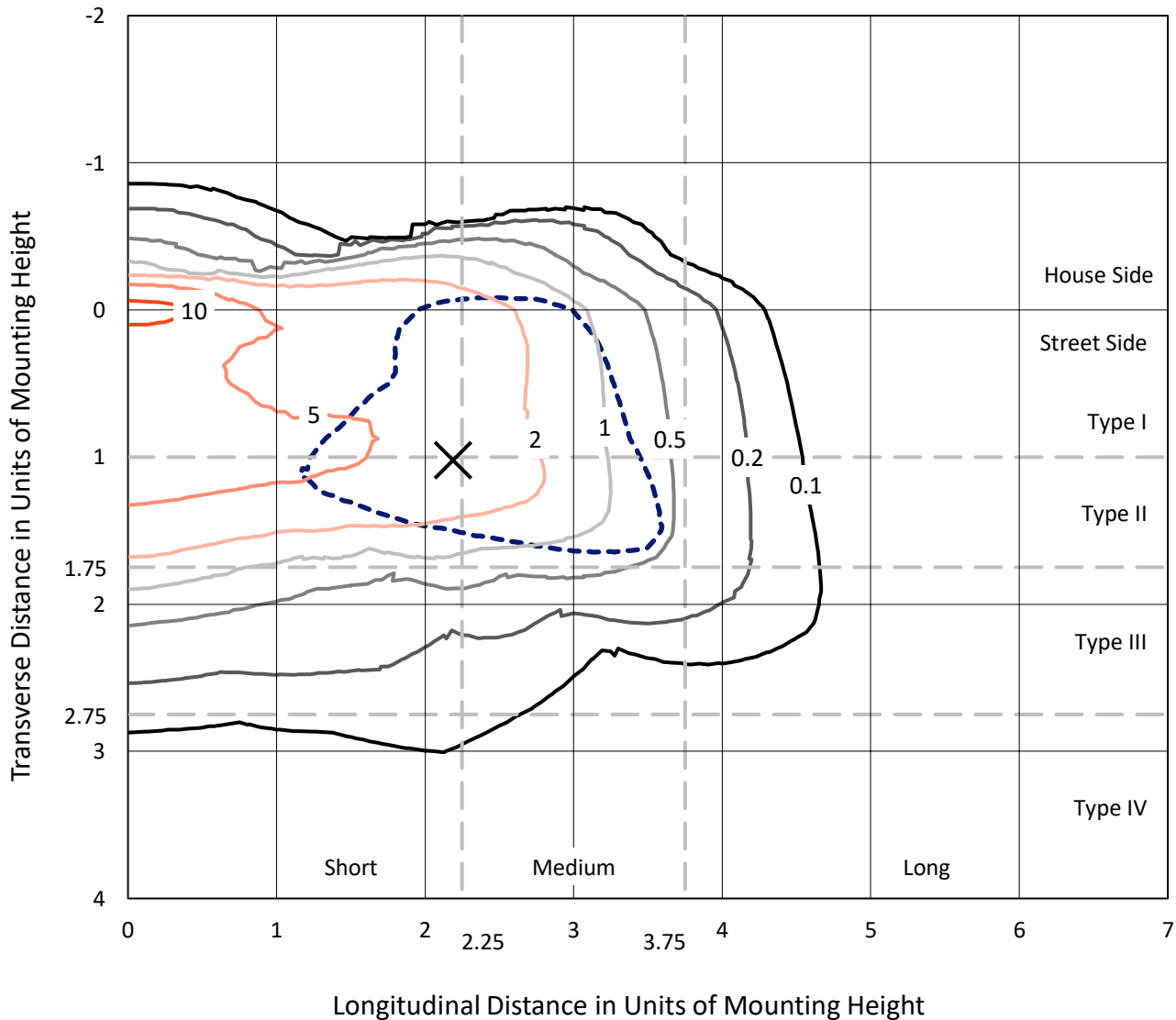
Lumens per Lamp: N/A  
Luminaire Lumens: 5278.9 lumens  
Efficiency: N/A  
Efficacy: 43.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 122.4  
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

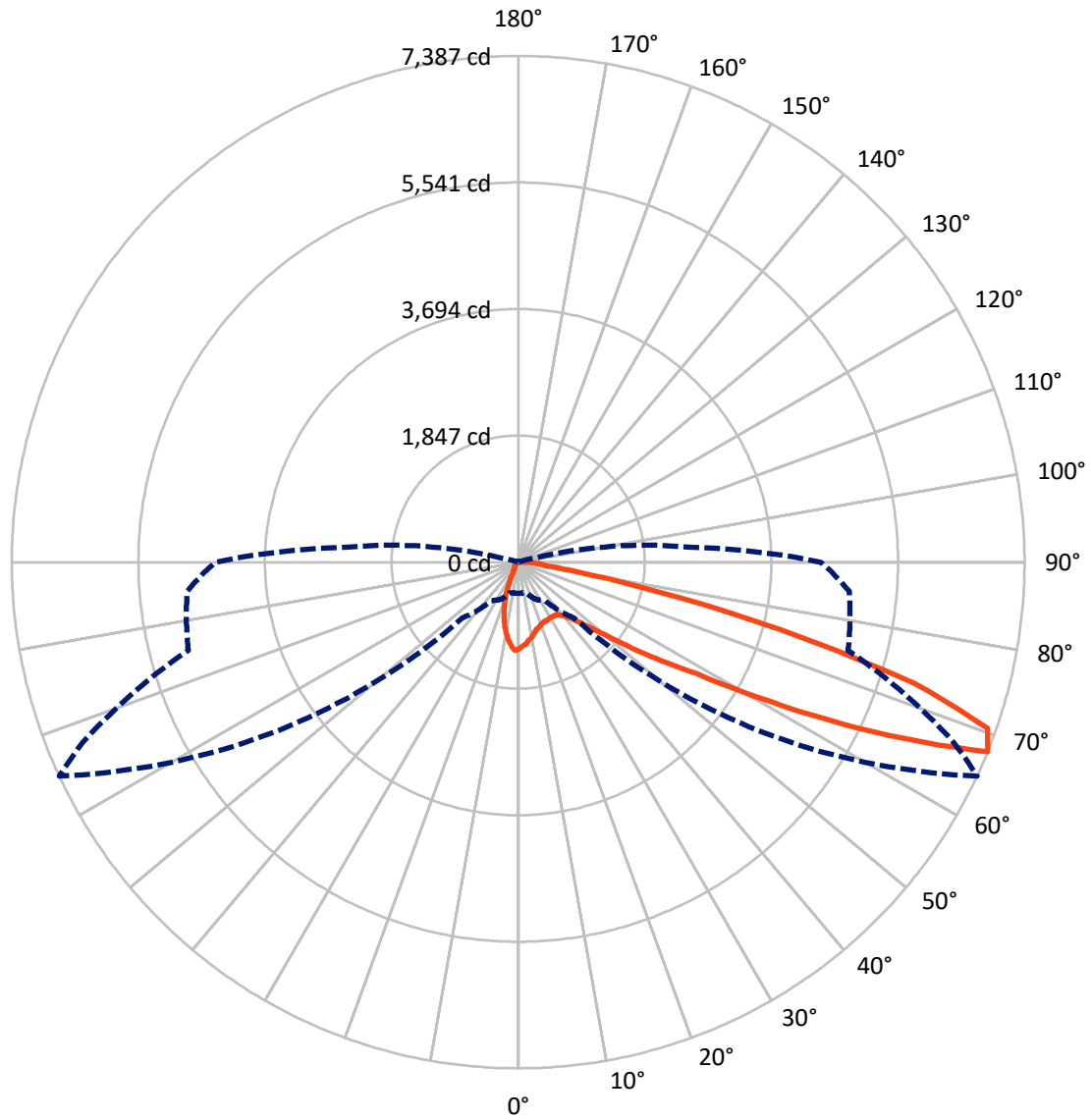
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.7 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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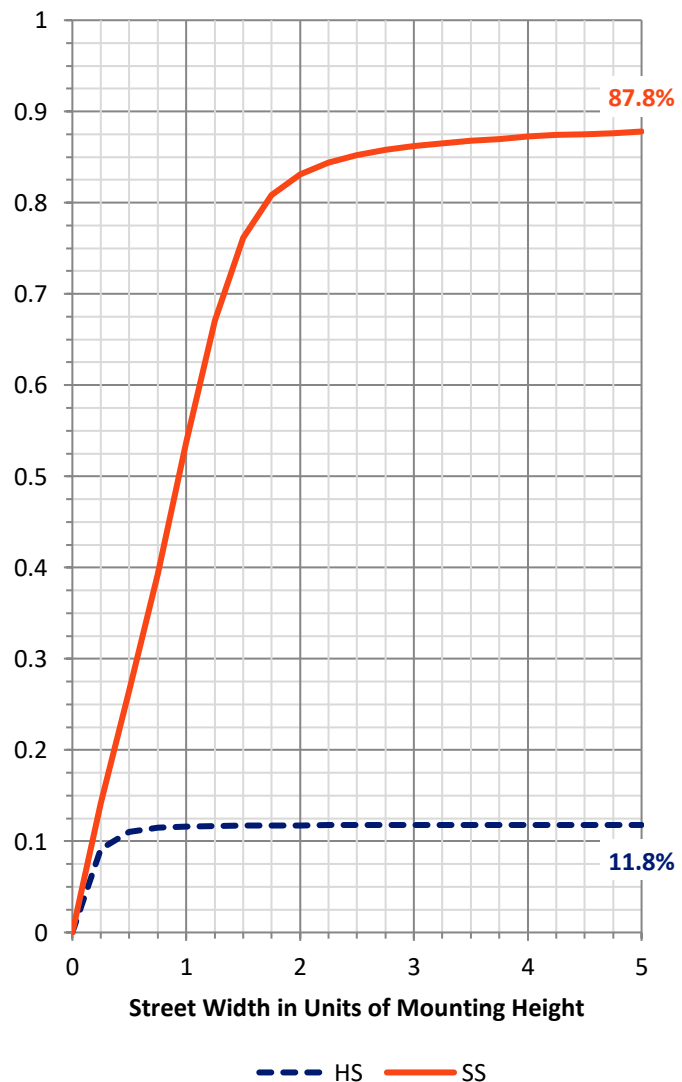
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	627.3	0.0	627.3
	% Fixture	11.9	0.0	11.9
<b>Street Side</b>	Lumens	4651.6	0.0	4651.6
	% Fixture	88.1	0.0	88.1
<b>Total</b>	Lumens	5278.9	0.0	5278.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.2	1.9
10°-20°	208.5	3.9
20°-30°	285.7	5.4
30°-40°	416.4	7.9
40°-50°	694.9	13.2
50°-60°	1208.1	22.9
60°-70°	1516.1	28.7
70°-80°	774.6	14.7
80°-90°	73.2	1.4
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°	5278.9	100.0
0°-180°	5278.9	100.0

**Coefficient of Utilization**

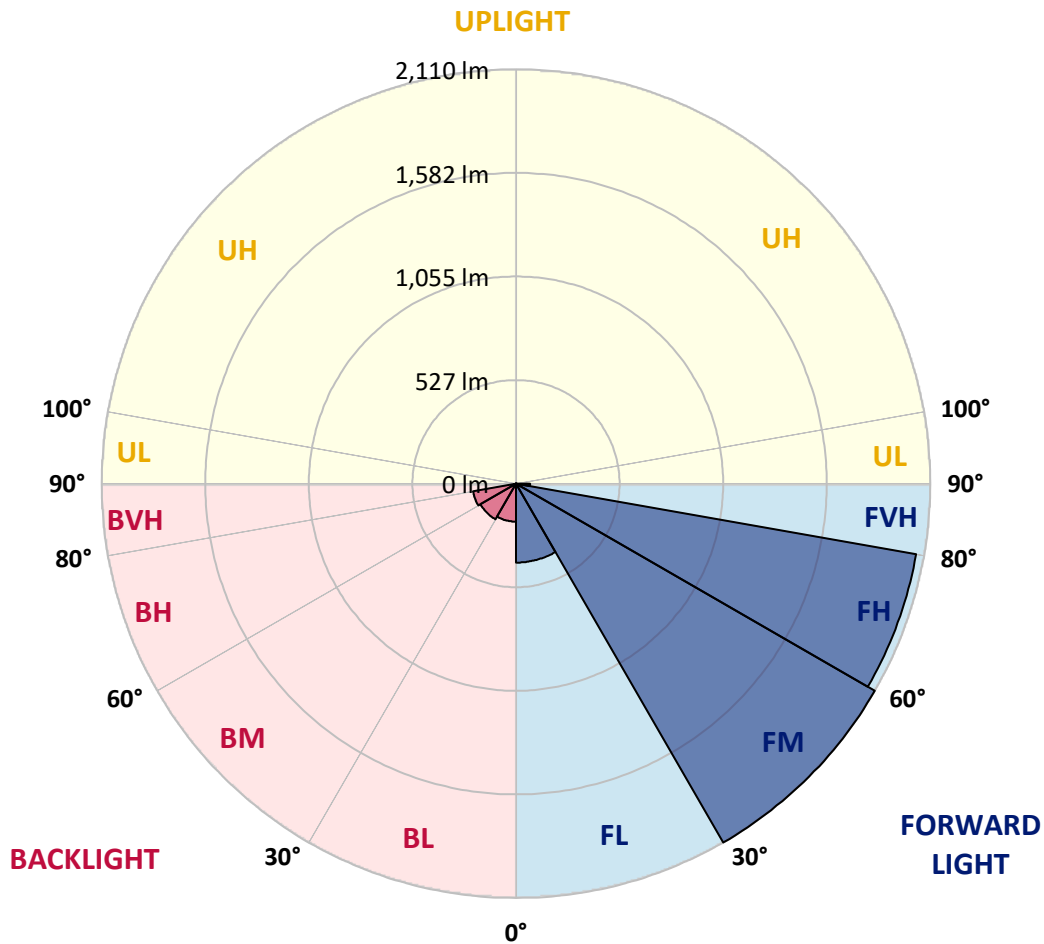


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	401.9	7.6			
FM (30°-60°)	2109.9	40.0			
FH (60°-80°)	2069.0	39.2			G2/5000
FVH (80°-90°)	70.9	1.3			G1/100
BL (0°-30°)	193.5	3.7	B1/500		
BM (30°-60°)	209.6	4.0	B0/220		
BH (60°-80°)	221.8	4.2	B1/500		G1/500
BVH (80°-90°)	2.3	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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
0°	1266.2	1266.2	1266.2	1266.2	1266.2	1266.2	1266.2	1266.2	1266.2	1266.2	1266.2
2.5°	1149.1	1152.2	1173.7	1164.5	1186.1	1219.9	1232.3	1226.1	1250.8	1260.0	1266.2
5°	1056.7	1062.8	1059.8	1072.1	1106.0	1133.7	1158.3	1201.5	1201.5	1235.3	1256.9
7.5°	942.7	948.8	970.4	979.7	1010.5	1050.5	1090.6	1142.9	1152.2	1226.1	1269.2
10°	881.1	884.2	881.1	899.6	930.4	979.7	1035.1	1112.1	1109.0	1176.8	1266.2
12.5°	810.2	819.5	831.8	850.3	884.2	927.3	973.5	1053.6	1081.3	1173.7	1281.6
15°	779.4	785.6	791.7	816.4	825.6	878.0	933.4	1013.5	1050.5	1155.3	1284.6
17.5°	773.2	770.2	770.2	776.3	797.9	844.1	905.7	995.1	1022.8	1130.6	1293.9
20°	764.0	760.9	760.9	760.9	785.6	825.6	881.1	964.3	1001.2	1121.4	1312.4
22.5°	788.7	785.6	779.4	773.2	770.2	804.1	868.7	948.8	979.7	1102.9	1312.4
25°	853.3	847.2	831.8	825.6	788.7	797.9	850.3	945.8	961.2	1096.7	1315.4
27.5°	915.0	911.9	893.4	878.0	834.9	810.2	859.5	942.7	964.3	1069.0	1297.0
30°	982.7	995.1	976.6	958.1	887.2	837.9	862.6	936.5	948.8	1053.6	1303.1
32.5°	1118.3	1102.9	1096.7	1081.3	992.0	884.2	884.2	939.6	955.0	1059.8	1312.4
35°	1223.0	1238.4	1238.4	1229.2	1099.8	976.6	933.4	945.8	955.0	1053.6	1306.2
37.5°	1327.8	1349.3	1370.9	1370.9	1263.1	1099.8	992.0	976.6	988.9	1056.7	1321.6
40°	1463.3	1457.2	1509.5	1546.5	1457.2	1235.3	1078.2	1028.9	1038.2	1081.3	1343.2
42.5°	1645.1	1620.4	1663.6	1734.4	1660.5	1420.2	1223.0	1115.2	1115.2	1161.4	1377.1
45°	1851.5	1811.4	1848.4	1922.3	1857.6	1620.4	1377.1	1247.7	1229.2	1278.5	1466.4
47.5°	2042.5	2079.5	2079.5	2156.5	2153.4	1876.1	1589.6	1435.6	1420.2	1410.9	1632.8
50°	2190.4	2224.2	2255.1	2396.8	2495.3	2230.4	1848.4	1697.4	1672.8	1657.4	1842.2
52.5°	2350.6	2307.4	2310.5	2470.7	2751.0	2717.2	2202.7	2082.5	2017.8	1956.2	2110.3
55°	2224.2	2218.1	2224.2	2396.8	2858.9	3213.1	2717.2	2538.5	2439.9	2359.8	2529.2
57.5°	1786.8	1796.0	1768.3	2014.8	2670.9	3582.8	3619.8	3068.3	2969.8	2803.4	3028.3
60°	1312.4	1327.8	1300.0	1457.2	2162.6	3604.4	4414.6	3974.1	3807.7	3305.6	3450.4
62.5°	930.4	918.0	881.1	1001.2	1441.8	3133.0	4984.5	5061.5	4587.1	3780.0	3958.7
65°	653.1	637.7	643.9	730.1	893.4	2134.9	4947.6	6223.0	5717.7	4349.9	4547.1
67.5°	455.9	452.9	459.0	597.7	683.9	1149.1	4291.4	7387.4	6876.1	4981.4	4845.9
70°	323.5	317.3	323.5	489.8	637.7	727.0	3065.3	7261.1	7288.9	5083.1	4768.9
72.5°	191.0	191.0	228.0	360.4	606.9	662.3	1521.9	6044.3	6259.9	4537.8	3764.6
75°	98.6	95.5	123.2	243.4	548.4	625.4	717.8	3961.7	4146.6	3114.6	2156.5
77.5°	55.5	52.4	58.5	126.3	419.0	594.6	573.0	2048.6	2017.8	1349.3	797.9
80°	27.7	27.7	37.0	67.8	243.4	573.0	520.6	868.7	764.0	311.1	154.0
82.5°	9.2	9.2	18.5	43.1	98.6	511.4	483.7	391.2	317.3	80.1	77.0
85°	3.1	3.1	6.2	27.7	43.1	237.2	409.7	317.3	234.1	37.0	46.2
87.5°	0.0	0.0	0.0	9.2	15.4	49.3	163.3	175.6	141.7	12.3	27.7
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°	1266.2	1266.2	1266.2	1266.2	1266.2	1266.2	1266.2	1266.2	1266.2	1266.2	1266.2
2.5°	1269.2	1275.4	1290.8	1290.8	1266.2	1238.4	1232.3	1192.2	1204.5	1198.4	1173.7
5°	1293.9	1278.5	1278.5	1232.3	1173.7	1124.4	1072.1	1022.8	1001.2	988.9	982.7
7.5°	1269.2	1284.6	1238.4	1146.0	1053.6	951.9	862.6	782.5	739.4	717.8	708.6
10°	1309.3	1284.6	1179.9	1056.7	902.6	748.6	622.3	508.3	446.7	409.7	400.5
12.5°	1290.8	1287.7	1136.8	942.7	736.3	529.9	360.4	255.7	200.2	181.8	181.8
15°	1337.0	1278.5	1084.4	828.7	560.7	311.1	181.8	141.7	129.4	126.3	126.3
17.5°	1321.6	1260.0	1010.5	693.2	372.8	175.6	126.3	120.1	117.1	114.0	114.0
20°	1343.2	1232.3	924.2	548.4	215.6	120.1	110.9	107.8	104.7	101.7	101.7
22.5°	1315.4	1213.8	834.9	397.4	135.5	104.7	98.6	95.5	89.3	89.3	89.3
25°	1303.1	1183.0	745.5	264.9	107.8	95.5	86.3	83.2	77.0	70.9	73.9
27.5°	1287.7	1139.8	659.3	169.4	95.5	83.2	73.9	67.8	61.6	58.5	58.5
30°	1260.0	1090.6	557.6	117.1	86.3	77.0	64.7	58.5	49.3	46.2	46.2
32.5°	1219.9	1065.9	455.9	98.6	80.1	67.8	58.5	49.3	43.1	40.0	40.0
35°	1195.3	1013.5	354.3	89.3	73.9	58.5	49.3	40.0	37.0	33.9	33.9
37.5°	1192.2	967.3	261.9	83.2	67.8	52.4	40.0	33.9	30.8	27.7	27.7
40°	1167.6	933.4	184.8	77.0	61.6	46.2	37.0	30.8	27.7	24.6	24.6
42.5°	1204.5	908.8	132.5	70.9	55.5	40.0	30.8	24.6	21.6	18.5	18.5
45°	1241.5	918.0	104.7	64.7	46.2	33.9	27.7	21.6	18.5	15.4	15.4
47.5°	1361.7	948.8	92.4	58.5	40.0	30.8	24.6	18.5	15.4	12.3	12.3
50°	1503.4	998.1	86.3	52.4	37.0	27.7	18.5	15.4	12.3	9.2	9.2
52.5°	1725.2	1124.4	83.2	46.2	30.8	24.6	15.4	12.3	9.2	6.2	6.2
55°	2110.3	1290.8	73.9	43.1	27.7	18.5	12.3	9.2	6.2	6.2	6.2
57.5°	2507.7	1568.1	67.8	37.0	21.6	15.4	12.3	9.2	6.2	3.1	3.1
60°	3009.8	1891.5	58.5	30.8	18.5	12.3	9.2	6.2	6.2	3.1	3.1
62.5°	3545.9	2258.1	49.3	24.6	15.4	9.2	6.2	6.2	3.1	3.1	0.0
65°	4183.6	2553.9	40.0	18.5	12.3	9.2	6.2	3.1	3.1	0.0	0.0
67.5°	4417.7	2513.8	30.8	15.4	9.2	6.2	6.2	3.1	3.1	0.0	0.0
70°	4266.7	2202.7	27.7	12.3	9.2	6.2	3.1	3.1	0.0	0.0	0.0
72.5°	3228.5	1404.8	21.6	9.2	6.2	3.1	3.1	3.1	0.0	0.0	0.0
75°	1756.0	508.3	18.5	6.2	6.2	3.1	3.1	3.1	0.0	0.0	0.0
77.5°	545.3	120.1	15.4	6.2	6.2	3.1	3.1	3.1	0.0	0.0	0.0
80°	107.8	40.0	12.3	6.2	3.1	3.1	3.1	3.1	0.0	0.0	0.0
82.5°	64.7	21.6	9.2	6.2	3.1	3.1	3.1	0.0	0.0	0.0	0.0
85°	43.1	9.2	6.2	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0
87.5°	24.6	3.1	3.1	3.1	3.1	0.0	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)