

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: P565411

Luminaire Tested: **IFLD-L-SA7A-AMB-U-SL2-HSS**

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565411
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/02/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7A-AMB-U-SL2-HSS
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square
Luminaire w/ SL2 distribution lens and House Side Shield
Light Source: (112) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

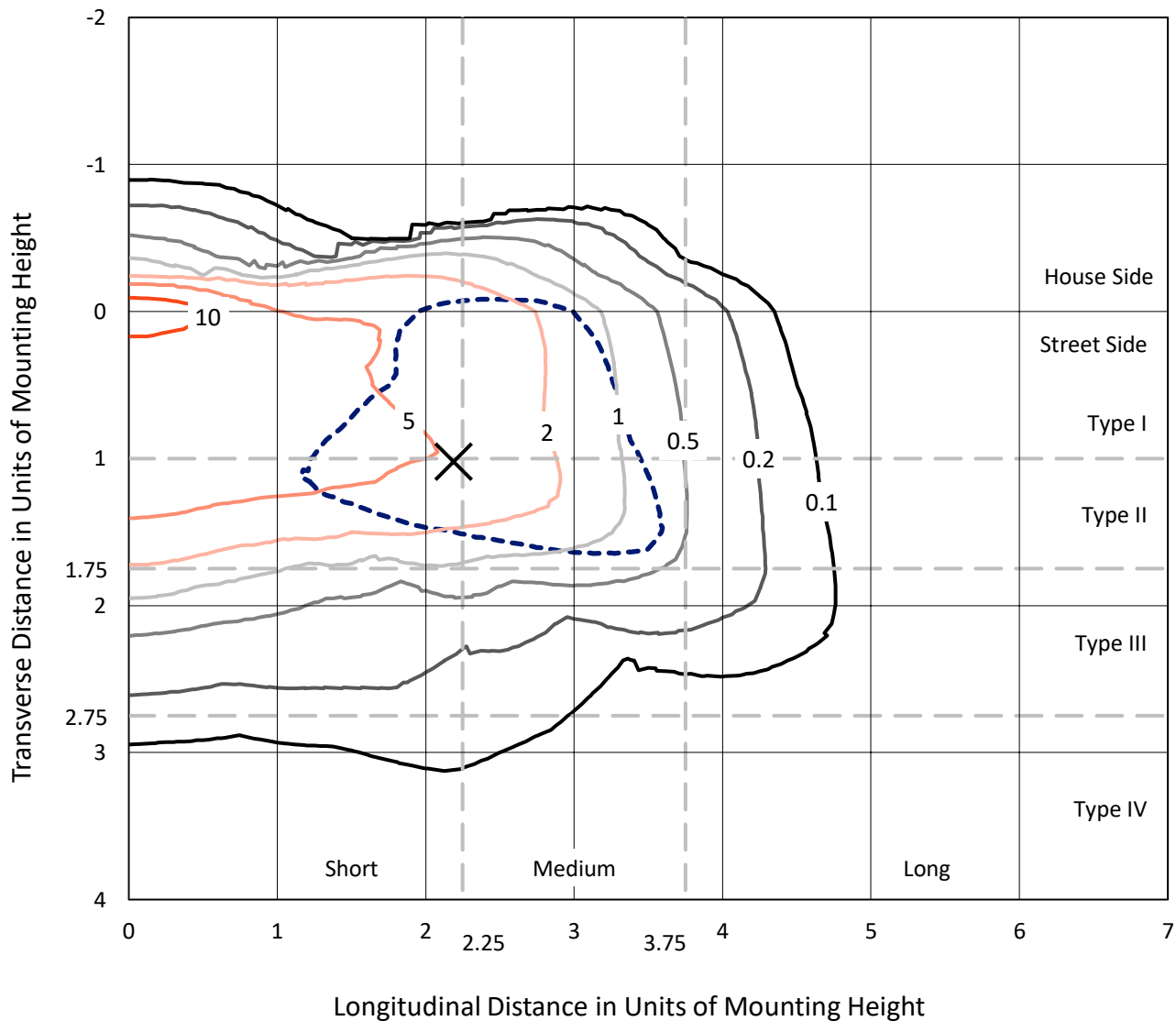
Lumens per Lamp: N/A
Luminaire Lumens: 6122 lumens
Efficiency: N/A
Efficacy: 43.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 140.5
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

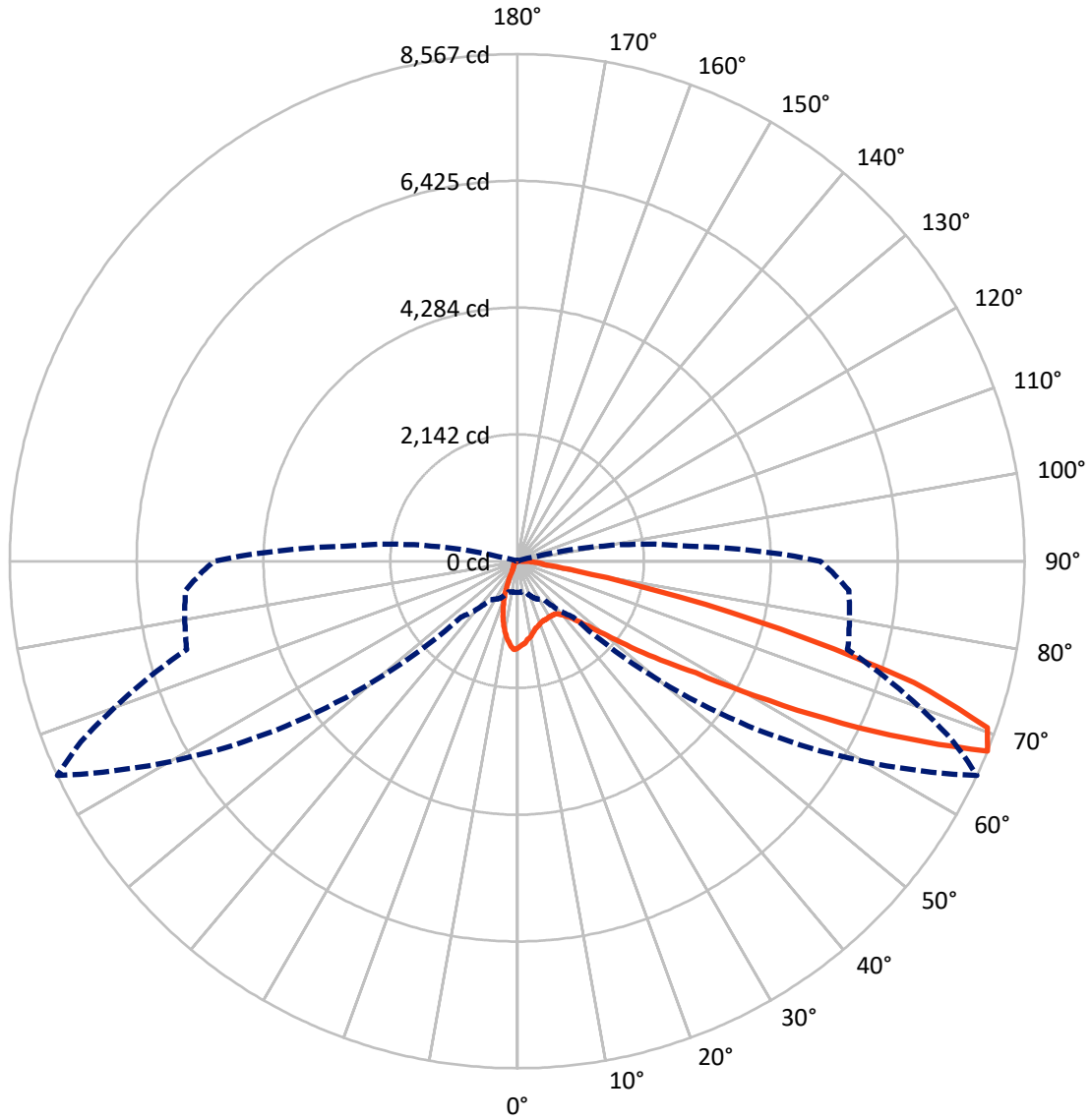
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.7 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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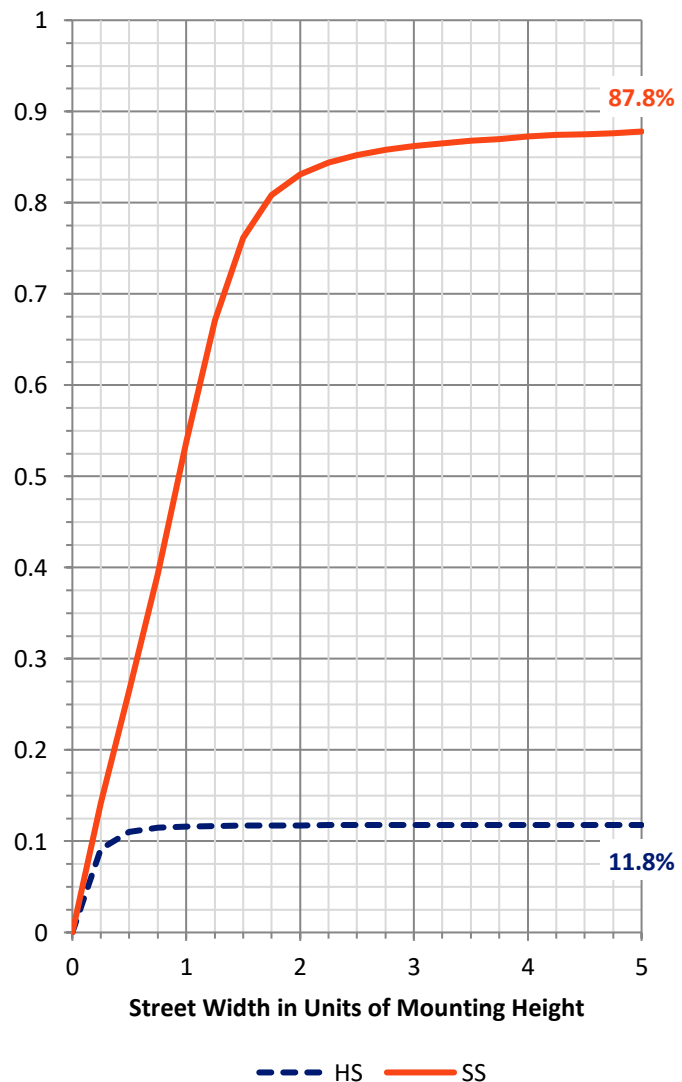
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	727.5	0.0	727.5
	% Fixture	11.9	0.0	11.9
Street Side	Lumens	5394.5	0.0	5394.5
	% Fixture	88.1	0.0	88.1
Total	Lumens	6122.0	0.0	6122.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.3	1.9
10°-20°	241.8	3.9
20°-30°	331.4	5.4
30°-40°	482.9	7.9
40°-50°	805.9	13.2
50°-60°	1401.1	22.9
60°-70°	1758.3	28.7
70°-80°	898.3	14.7
80°-90°	84.9	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°	6122.0	100.0
0°-180°	6122.0	100.0

Coefficient of Utilization

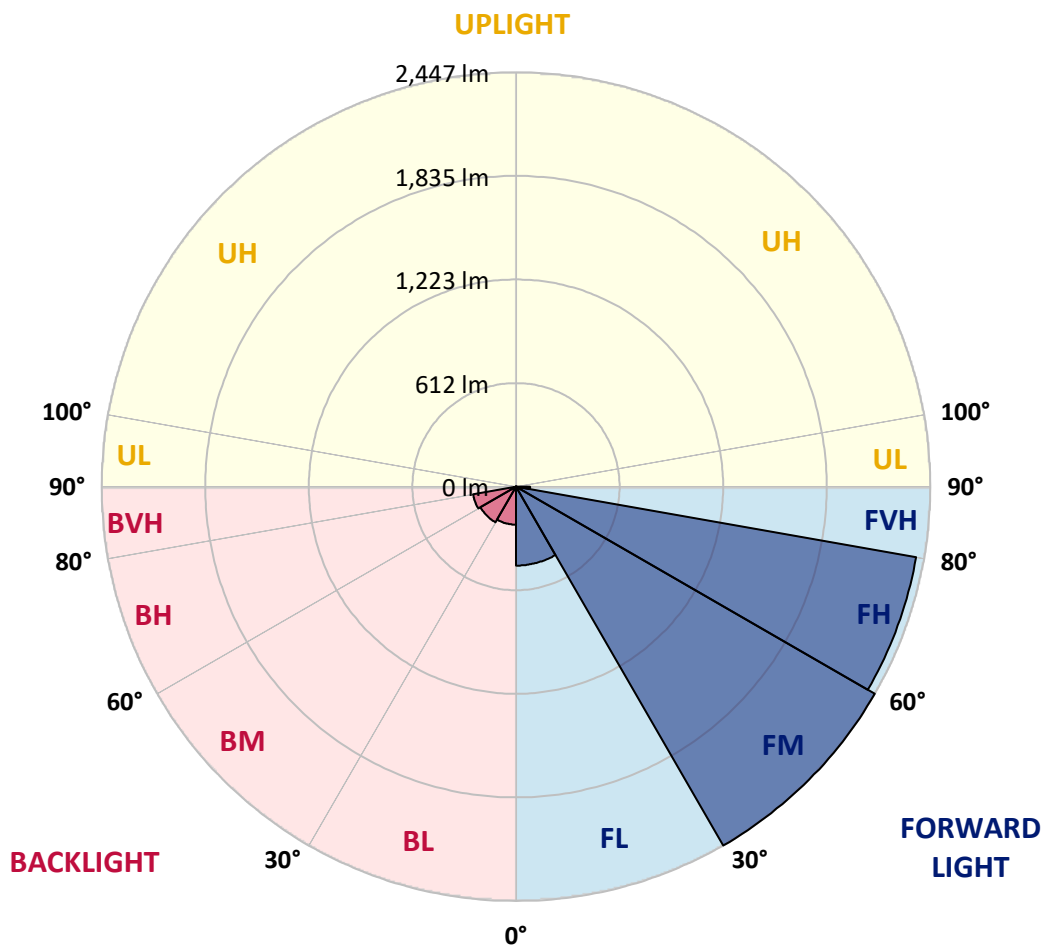


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	466.1	7.6			
FM (30°-60°)	2446.8	40.0			
FH (60°-80°)	2399.4	39.2			G2/5000
FVH (80°-90°)	82.2	1.3			G1/100
BL (0°-30°)	224.4	3.7	B1/500		
BM (30°-60°)	243.1	4.0	B1/1000		
BH (60°-80°)	257.2	4.2	B1/500		G1/500
BVH (80°-90°)	2.7	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°	1468.4	1468.4	1468.4	1468.4	1468.4	1468.4	1468.4	1468.4	1468.4	1468.4	1468.4
2.5°	1332.6	1336.2	1361.2	1350.5	1375.5	1414.8	1429.1	1421.9	1450.5	1461.2	1468.4
5°	1225.4	1232.6	1229.0	1243.3	1282.6	1314.7	1343.3	1393.3	1393.3	1432.6	1457.7
7.5°	1093.2	1100.4	1125.4	1136.1	1171.8	1218.3	1264.7	1325.5	1336.2	1421.9	1471.9
10°	1021.8	1025.4	1021.8	1043.2	1079.0	1136.1	1200.4	1289.7	1286.2	1364.8	1468.4
12.5°	939.6	950.3	964.6	986.1	1025.4	1075.4	1129.0	1221.9	1254.0	1361.2	1486.2
15°	903.9	911.0	918.2	946.8	957.5	1018.2	1082.5	1175.4	1218.3	1339.8	1489.8
17.5°	896.7	893.2	893.2	900.3	925.3	978.9	1050.4	1154.0	1186.1	1311.2	1500.5
20°	886.0	882.5	882.5	882.5	911.0	957.5	1021.8	1118.3	1161.1	1300.5	1522.0
22.5°	914.6	911.0	903.9	896.7	893.2	932.5	1007.5	1100.4	1136.1	1279.0	1522.0
25°	989.6	982.5	964.6	957.5	914.6	925.3	986.1	1096.8	1114.7	1271.9	1525.5
27.5°	1061.1	1057.5	1036.1	1018.2	968.2	939.6	996.8	1093.2	1118.3	1239.7	1504.1
30°	1139.7	1154.0	1132.5	1111.1	1028.9	971.8	1000.4	1086.1	1100.4	1221.9	1511.2
32.5°	1296.9	1279.0	1271.9	1254.0	1150.4	1025.4	1025.4	1089.7	1107.5	1229.0	1522.0
35°	1418.4	1436.2	1436.2	1425.5	1275.4	1132.5	1082.5	1096.8	1107.5	1221.9	1514.8
37.5°	1539.8	1564.8	1589.8	1589.8	1464.8	1275.4	1150.4	1132.5	1146.8	1225.4	1532.7
40°	1697.0	1689.9	1750.6	1793.5	1689.9	1432.6	1250.4	1193.3	1204.0	1254.0	1557.7
42.5°	1907.8	1879.2	1929.3	2011.4	1925.7	1647.0	1418.4	1293.3	1293.3	1346.9	1597.0
45°	2147.2	2100.7	2143.6	2229.4	2154.3	1879.2	1597.0	1446.9	1425.5	1482.7	1700.6
47.5°	2368.7	2411.6	2411.6	2500.9	2497.3	2175.8	1843.5	1664.9	1647.0	1636.3	1893.5
50°	2540.2	2579.5	2615.2	2779.6	2893.9	2586.6	2143.6	1968.6	1940.0	1922.1	2136.5
52.5°	2726.0	2675.9	2679.5	2865.3	3190.4	3151.1	2554.5	2415.1	2340.1	2268.7	2447.3
55°	2579.5	2572.3	2579.5	2779.6	3315.5	3726.3	3151.1	2943.9	2829.6	2736.7	2933.2
57.5°	2072.2	2082.9	2050.7	2336.5	3097.5	4155.0	4197.9	3558.4	3444.1	3251.1	3512.0
60°	1522.0	1539.8	1507.7	1689.9	2508.0	4180.0	5119.7	4608.8	4415.8	3833.5	4001.4
62.5°	1079.0	1064.7	1021.8	1161.1	1672.0	3633.4	5780.6	5869.9	5319.7	4383.7	4590.9
65°	757.4	739.5	746.7	846.7	1036.1	2475.9	5737.7	7216.8	6630.9	5044.6	5273.3
67.5°	528.8	525.2	532.3	693.1	793.1	1332.6	4976.8	8567.3	7974.2	5777.0	5619.8
70°	375.1	368.0	375.1	568.1	739.5	843.2	3554.8	8420.8	8453.0	5894.9	5530.5
72.5°	221.5	221.5	264.4	418.0	703.8	768.1	1764.9	7009.6	7259.7	5262.6	4365.8
75°	114.3	110.8	142.9	282.2	635.9	725.3	832.4	4594.5	4808.8	3612.0	2500.9
77.5°	64.3	60.7	67.9	146.5	485.9	689.5	664.5	2375.8	2340.1	1564.8	925.3
80°	32.2	32.2	42.9	78.6	282.2	664.5	603.8	1007.5	886.0	360.8	178.6
82.5°	10.7	10.7	21.4	50.0	114.3	593.1	560.9	453.7	368.0	92.9	89.3
85°	3.6	3.6	7.1	32.2	50.0	275.1	475.2	368.0	271.5	42.9	53.6
87.5°	0.0	0.0	0.0	10.7	17.9	57.2	189.4	203.6	164.3	14.3	32.2
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°	1468.4	1468.4	1468.4	1468.4	1468.4	1468.4	1468.4	1468.4	1468.4	1468.4	1468.4
2.5°	1471.9	1479.1	1497.0	1497.0	1468.4	1436.2	1429.1	1382.6	1396.9	1389.8	1361.2
5°	1500.5	1482.7	1482.7	1429.1	1361.2	1304.0	1243.3	1186.1	1161.1	1146.8	1139.7
7.5°	1471.9	1489.8	1436.2	1329.0	1221.9	1104.0	1000.4	907.5	857.4	832.4	821.7
10°	1518.4	1489.8	1368.3	1225.4	1046.8	868.2	721.7	589.5	518.0	475.2	464.4
12.5°	1497.0	1493.4	1318.3	1093.2	853.9	614.5	418.0	296.5	232.2	210.8	210.8
15°	1550.5	1482.7	1257.6	961.1	650.2	360.8	210.8	164.3	150.1	146.5	146.5
17.5°	1532.7	1461.2	1171.8	803.9	432.3	203.6	146.5	139.3	135.8	132.2	132.2
20°	1557.7	1429.1	1071.8	635.9	250.1	139.3	128.6	125.0	121.5	117.9	117.9
22.5°	1525.5	1407.6	968.2	460.9	157.2	121.5	114.3	110.8	103.6	103.6	103.6
25°	1511.2	1371.9	864.6	307.3	125.0	110.8	100.0	96.5	89.3	82.2	85.7
27.5°	1493.4	1321.9	764.6	196.5	110.8	96.5	85.7	78.6	71.5	67.9	67.9
30°	1461.2	1264.7	646.7	135.8	100.0	89.3	75.0	67.9	57.2	53.6	53.6
32.5°	1414.8	1236.1	528.8	114.3	92.9	78.6	67.9	57.2	50.0	46.4	46.4
35°	1386.2	1175.4	410.9	103.6	85.7	67.9	57.2	46.4	42.9	39.3	39.3
37.5°	1382.6	1121.8	303.7	96.5	78.6	60.7	46.4	39.3	35.7	32.2	32.2
40°	1354.0	1082.5	214.4	89.3	71.5	53.6	42.9	35.7	32.2	28.6	28.6
42.5°	1396.9	1053.9	153.6	82.2	64.3	46.4	35.7	28.6	25.0	21.4	21.4
45°	1439.8	1064.7	121.5	75.0	53.6	39.3	32.2	25.0	21.4	17.9	17.9
47.5°	1579.1	1100.4	107.2	67.9	46.4	35.7	28.6	21.4	17.9	14.3	14.3
50°	1743.5	1157.6	100.0	60.7	42.9	32.2	21.4	17.9	14.3	10.7	10.7
52.5°	2000.7	1304.0	96.5	53.6	35.7	28.6	17.9	14.3	10.7	7.1	7.1
55°	2447.3	1497.0	85.7	50.0	32.2	21.4	14.3	10.7	7.1	7.1	7.1
57.5°	2908.2	1818.5	78.6	42.9	25.0	17.9	14.3	10.7	7.1	3.6	3.6
60°	3490.5	2193.6	67.9	35.7	21.4	14.3	10.7	7.1	7.1	3.6	3.6
62.5°	4112.2	2618.8	57.2	28.6	17.9	10.7	7.1	7.1	3.6	3.6	0.0
65°	4851.7	2961.8	46.4	21.4	14.3	10.7	7.1	3.6	3.6	0.0	0.0
67.5°	5123.2	2915.3	35.7	17.9	10.7	7.1	7.1	3.6	3.6	0.0	0.0
70°	4948.2	2554.5	32.2	14.3	10.7	7.1	3.6	3.6	0.0	0.0	0.0
72.5°	3744.2	1629.1	25.0	10.7	7.1	3.6	3.6	3.6	0.0	0.0	0.0
75°	2036.4	589.5	21.4	7.1	7.1	3.6	3.6	3.6	0.0	0.0	0.0
77.5°	632.4	139.3	17.9	7.1	7.1	3.6	3.6	3.6	0.0	0.0	0.0
80°	125.0	46.4	14.3	7.1	3.6	3.6	3.6	3.6	0.0	0.0	0.0
82.5°	75.0	25.0	10.7	7.1	3.6	3.6	3.6	0.0	0.0	0.0	0.0
85°	50.0	10.7	7.1	3.6	3.6	3.6	3.6	0.0	0.0	0.0	0.0
87.5°	28.6	3.6	3.6	3.6	3.6	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)