

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: P565412

Luminaire Tested: **IFLD-L-SA8A-AMB-U-SL2-HSS**

Issue Date: 09/02/2021



Test Information

Test Method: LM-79-08
Report Number: P565412
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/02/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-AMB-U-SL2-HSS
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square
Luminaire w/ SL2 distribution lens and House Side Shield
Light Source: (128) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

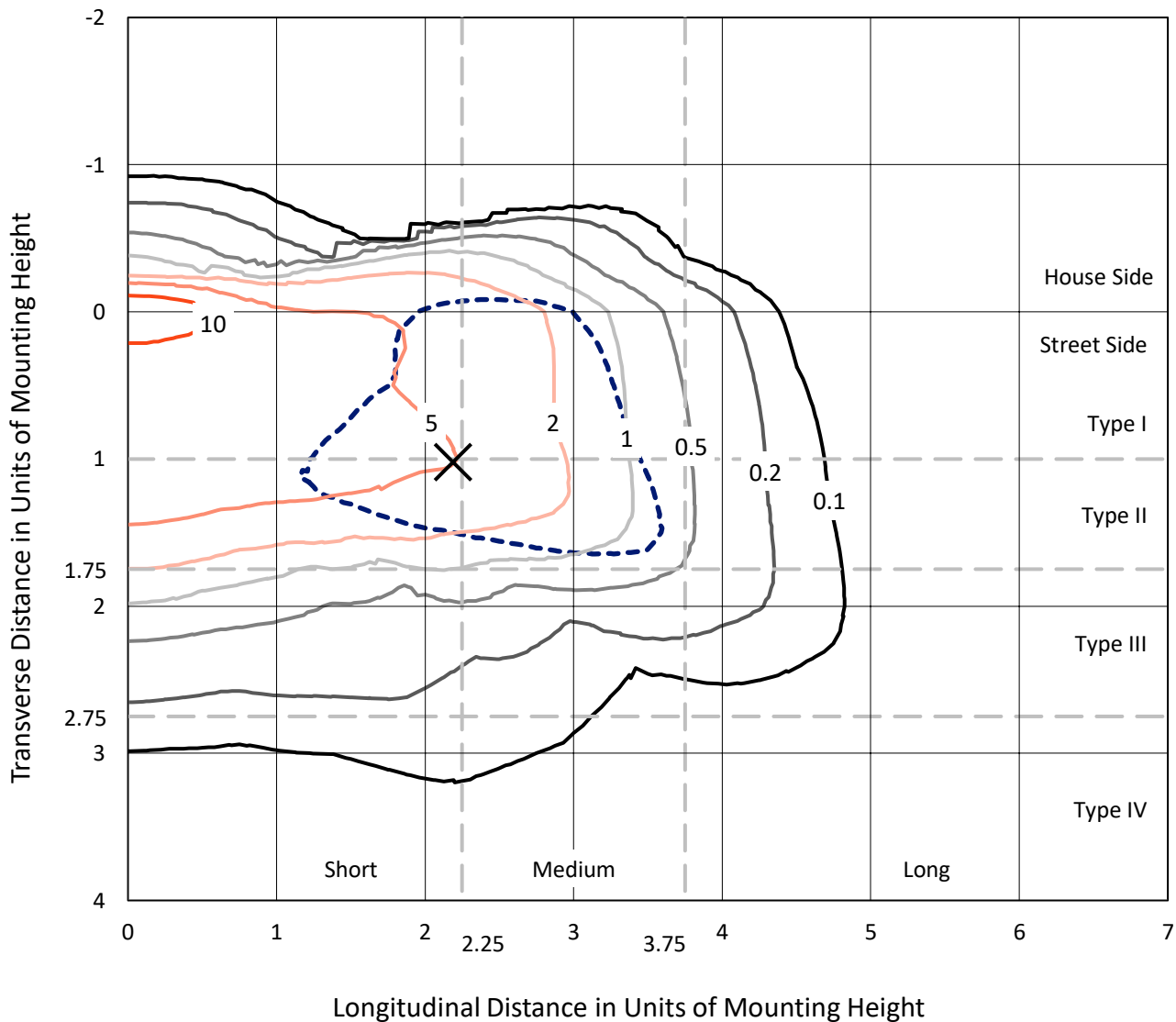
Lumens per Lamp: N/A
Luminaire Lumens: 6700.1 lumens
Efficiency: N/A
Efficacy: 41.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 160
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

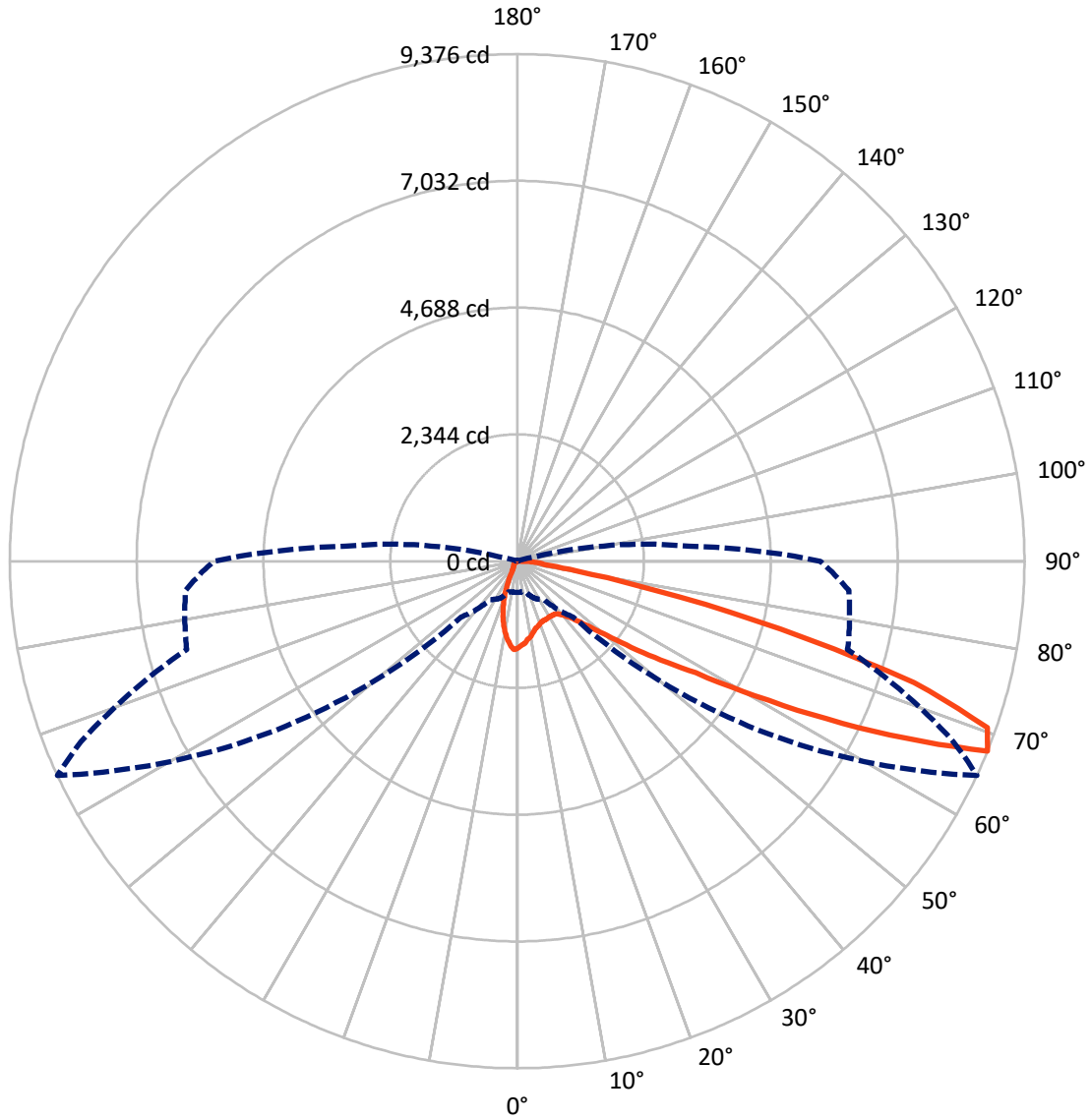
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.1 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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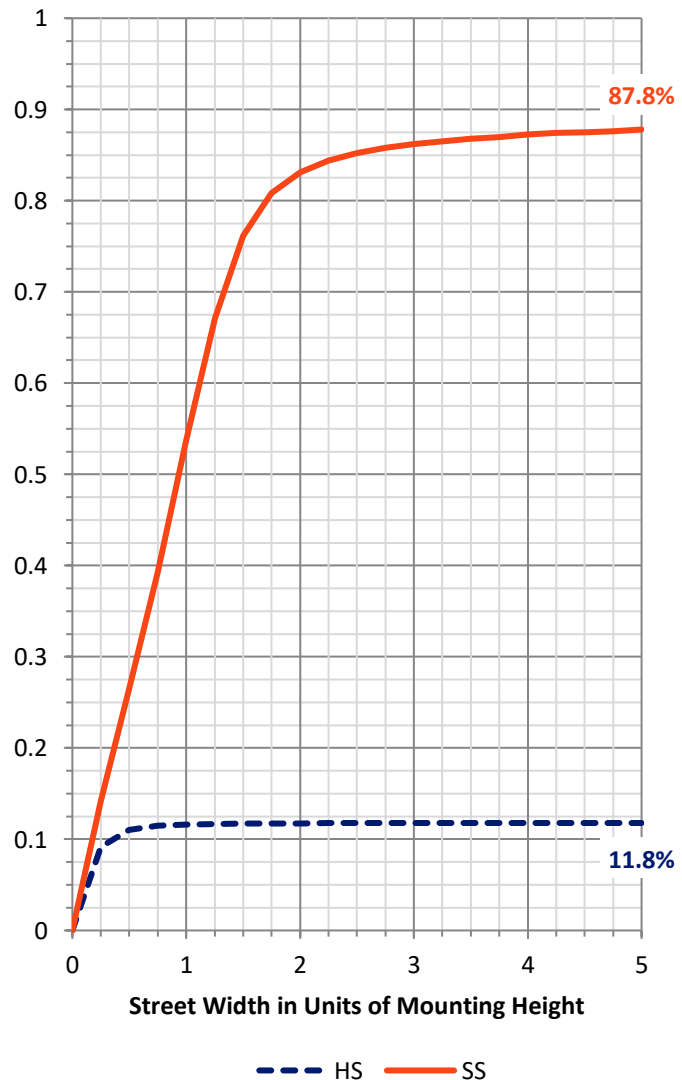
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	796.2	0.0	796.2
	% Fixture	11.9	0.0	11.9
Street Side	Lumens	5904.0	0.0	5904.0
	% Fixture	88.1	0.0	88.1
Total	Lumens	6700.1	0.0	6700.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.4	1.9
10°-20°	264.6	3.9
20°-30°	362.6	5.4
30°-40°	528.5	7.9
40°-50°	882.0	13.2
50°-60°	1533.4	22.9
60°-70°	1924.3	28.7
70°-80°	983.2	14.7
80°-90°	93.0	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°	6700.1	100.0
0°-180°	6700.1	100.0

Coefficient of Utilization

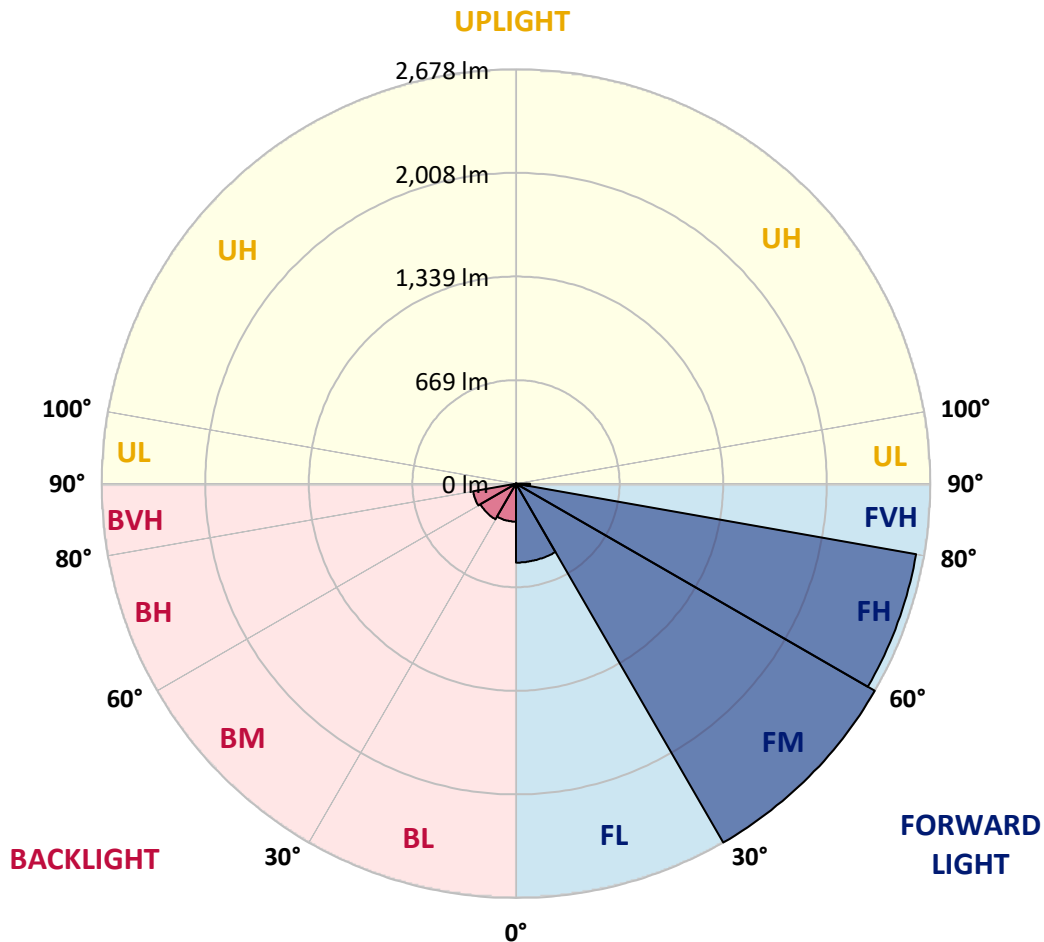


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	510.1	7.6			
FM (30°-60°)	2677.9	40.0			
FH (60°-80°)	2626.0	39.2			G2/5000
FVH (80°-90°)	90.0	1.3			G1/100
BL (0°-30°)	245.6	3.7	B1/500		
BM (30°-60°)	266.1	4.0	B1/1000		
BH (60°-80°)	281.5	4.2	B1/500		G1/500
BVH (80°-90°)	3.0	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°	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0
2.5°	1458.5	1462.4	1489.7	1478.0	1505.4	1548.4	1564.0	1556.2	1587.5	1599.2	1607.0
5°	1341.1	1349.0	1345.1	1360.7	1403.7	1438.9	1470.2	1524.9	1524.9	1567.9	1595.3
7.5°	1196.5	1204.3	1231.7	1243.4	1282.5	1333.3	1384.2	1450.6	1462.4	1556.2	1610.9
10°	1118.3	1122.2	1118.3	1141.7	1180.8	1243.4	1313.8	1411.5	1407.6	1493.6	1607.0
12.5°	1028.3	1040.1	1055.7	1079.2	1122.2	1176.9	1235.6	1337.2	1372.4	1489.7	1626.6
15°	989.2	997.1	1004.9	1036.2	1047.9	1114.4	1184.7	1286.4	1333.3	1466.3	1630.5
17.5°	981.4	977.5	977.5	985.3	1012.7	1071.4	1149.6	1262.9	1298.1	1435.0	1642.2
20°	969.7	965.8	965.8	965.8	997.1	1047.9	1118.3	1223.8	1270.8	1423.3	1665.7
22.5°	1001.0	997.1	989.2	981.4	977.5	1020.5	1102.6	1204.3	1243.4	1399.8	1665.7
25°	1083.1	1075.3	1055.7	1047.9	1001.0	1012.7	1079.2	1200.4	1219.9	1392.0	1669.6
27.5°	1161.3	1157.4	1133.9	1114.4	1059.6	1028.3	1090.9	1196.5	1223.8	1356.8	1646.1
30°	1247.3	1262.9	1239.5	1216.0	1126.1	1063.5	1094.8	1188.7	1204.3	1337.2	1654.0
32.5°	1419.4	1399.8	1392.0	1372.4	1259.0	1122.2	1122.2	1192.6	1212.1	1345.1	1665.7
35°	1552.3	1571.8	1571.8	1560.1	1395.9	1239.5	1184.7	1200.4	1212.1	1337.2	1657.9
37.5°	1685.2	1712.6	1740.0	1740.0	1603.1	1395.9	1259.0	1239.5	1255.1	1341.1	1677.4
40°	1857.3	1849.5	1915.9	1962.8	1849.5	1567.9	1368.5	1306.0	1317.7	1372.4	1704.8
42.5°	2088.0	2056.7	2111.4	2201.4	2107.5	1802.5	1552.3	1415.4	1415.4	1474.1	1747.8
45°	2349.9	2299.1	2346.0	2439.9	2357.8	2056.7	1747.8	1583.6	1560.1	1622.7	1861.2
47.5°	2592.4	2639.3	2639.3	2737.0	2733.1	2381.2	2017.6	1822.1	1802.5	1790.8	2072.3
50°	2780.1	2823.1	2862.2	3042.0	3167.1	2830.9	2346.0	2154.4	2123.2	2103.6	2338.2
52.5°	2983.4	2928.6	2932.5	3135.9	3491.7	3448.7	2795.7	2643.2	2561.1	2482.9	2678.4
55°	2823.1	2815.2	2823.1	3042.0	3628.5	4078.2	3448.7	3221.9	3096.8	2995.1	3210.2
57.5°	2267.8	2279.6	2244.4	2557.2	3390.0	4547.4	4594.3	3894.4	3769.3	3558.2	3843.6
60°	1665.7	1685.2	1650.0	1849.5	2744.9	4574.8	5603.1	5044.0	4832.8	4195.5	4379.3
62.5°	1180.8	1165.2	1118.3	1270.8	1829.9	3976.5	6326.5	6424.2	5822.1	4797.6	5024.4
65°	828.9	809.4	817.2	926.7	1133.9	2709.7	6279.6	7898.3	7257.1	5521.0	5771.2
67.5°	578.7	574.8	582.6	758.6	868.0	1458.5	5446.7	9376.3	8727.2	6322.6	6150.5
70°	410.6	402.7	410.6	621.7	809.4	922.8	3890.5	9216.0	9251.2	6451.6	6052.8
72.5°	242.4	242.4	289.3	457.5	770.3	840.7	1931.6	7671.5	7945.2	5759.5	4778.1
75°	125.1	121.2	156.4	308.9	696.0	793.7	911.0	5028.3	5262.9	3953.1	2737.0
77.5°	70.4	66.5	74.3	160.3	531.8	754.6	727.3	2600.2	2561.1	1712.6	1012.7
80°	35.2	35.2	46.9	86.0	308.9	727.3	660.8	1102.6	969.7	394.9	195.5
82.5°	11.7	11.7	23.5	54.7	125.1	649.1	613.9	496.6	402.7	101.7	97.8
85°	3.9	3.9	7.8	35.2	54.7	301.1	520.0	402.7	297.2	46.9	58.7
87.5°	0.0	0.0	0.0	11.7	19.6	62.6	207.2	222.9	179.9	15.6	35.2
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°	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0
2.5°	1610.9	1618.8	1638.3	1638.3	1607.0	1571.8	1564.0	1513.2	1528.8	1521.0	1489.7
5°	1642.2	1622.7	1622.7	1564.0	1489.7	1427.2	1360.7	1298.1	1270.8	1255.1	1247.3
7.5°	1610.9	1630.5	1571.8	1454.5	1337.2	1208.2	1094.8	993.2	938.4	911.0	899.3
10°	1661.8	1630.5	1497.6	1341.1	1145.6	950.1	789.8	645.2	567.0	520.0	508.3
12.5°	1638.3	1634.4	1442.8	1196.5	934.5	672.5	457.5	324.5	254.2	230.7	230.7
15°	1697.0	1622.7	1376.3	1051.8	711.6	394.9	230.7	179.9	164.2	160.3	160.3
17.5°	1677.4	1599.2	1282.5	879.8	473.1	222.9	160.3	152.5	148.6	144.7	144.7
20°	1704.8	1564.0	1173.0	696.0	273.7	152.5	140.8	136.9	132.9	129.0	129.0
22.5°	1669.6	1540.6	1059.6	504.4	172.0	132.9	125.1	121.2	113.4	113.4	113.4
25°	1654.0	1501.5	946.2	336.3	136.9	121.2	109.5	105.6	97.8	89.9	93.8
27.5°	1634.4	1446.7	836.8	215.1	121.2	105.6	93.8	86.0	78.2	74.3	74.3
30°	1599.2	1384.2	707.7	148.6	109.5	97.8	82.1	74.3	62.6	58.7	58.7
32.5°	1548.4	1352.9	578.7	125.1	101.7	86.0	74.3	62.6	54.7	50.8	50.8
35°	1517.1	1286.4	449.7	113.4	93.8	74.3	62.6	50.8	46.9	43.0	43.0
37.5°	1513.2	1227.8	332.4	105.6	86.0	66.5	50.8	43.0	39.1	35.2	35.2
40°	1481.9	1184.7	234.6	97.8	78.2	58.7	46.9	39.1	35.2	31.3	31.3
42.5°	1528.8	1153.5	168.1	89.9	70.4	50.8	39.1	31.3	27.4	23.5	23.5
45°	1575.8	1165.2	132.9	82.1	58.7	43.0	35.2	27.4	23.5	19.6	19.6
47.5°	1728.2	1204.3	117.3	74.3	50.8	39.1	31.3	23.5	19.6	15.6	15.6
50°	1908.1	1266.9	109.5	66.5	46.9	35.2	23.5	19.6	15.6	11.7	11.7
52.5°	2189.6	1427.2	105.6	58.7	39.1	31.3	19.6	15.6	11.7	7.8	7.8
55°	2678.4	1638.3	93.8	54.7	35.2	23.5	15.6	11.7	7.8	7.8	7.8
57.5°	3182.8	1990.2	86.0	46.9	27.4	19.6	15.6	11.7	7.8	3.9	3.9
60°	3820.1	2400.8	74.3	39.1	23.5	15.6	11.7	7.8	7.8	3.9	3.9
62.5°	4500.5	2866.1	62.6	31.3	19.6	11.7	7.8	7.8	3.9	3.9	0.0
65°	5309.9	3241.4	50.8	23.5	15.6	11.7	7.8	3.9	3.9	0.0	0.0
67.5°	5607.0	3190.6	39.1	19.6	11.7	7.8	7.8	3.9	3.9	0.0	0.0
70°	5415.4	2795.7	35.2	15.6	11.7	7.8	3.9	3.9	0.0	0.0	0.0
72.5°	4097.7	1783.0	27.4	11.7	7.8	3.9	3.9	3.9	0.0	0.0	0.0
75°	2228.7	645.2	23.5	7.8	7.8	3.9	3.9	3.9	0.0	0.0	0.0
77.5°	692.1	152.5	19.6	7.8	7.8	3.9	3.9	3.9	0.0	0.0	0.0
80°	136.9	50.8	15.6	7.8	3.9	3.9	3.9	3.9	0.0	0.0	0.0
82.5°	82.1	27.4	11.7	7.8	3.9	3.9	3.9	0.0	0.0	0.0	0.0
85°	54.7	11.7	7.8	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0
87.5°	31.3	3.9	3.9	3.9	3.9	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)