

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: P565332

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

Issue Date: 09/02/2021



Test Information

Test Method: LM-79-08
Report Number: P565332
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
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square
Luminaire w/ SL2 distribution lens
Light Source: (128) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

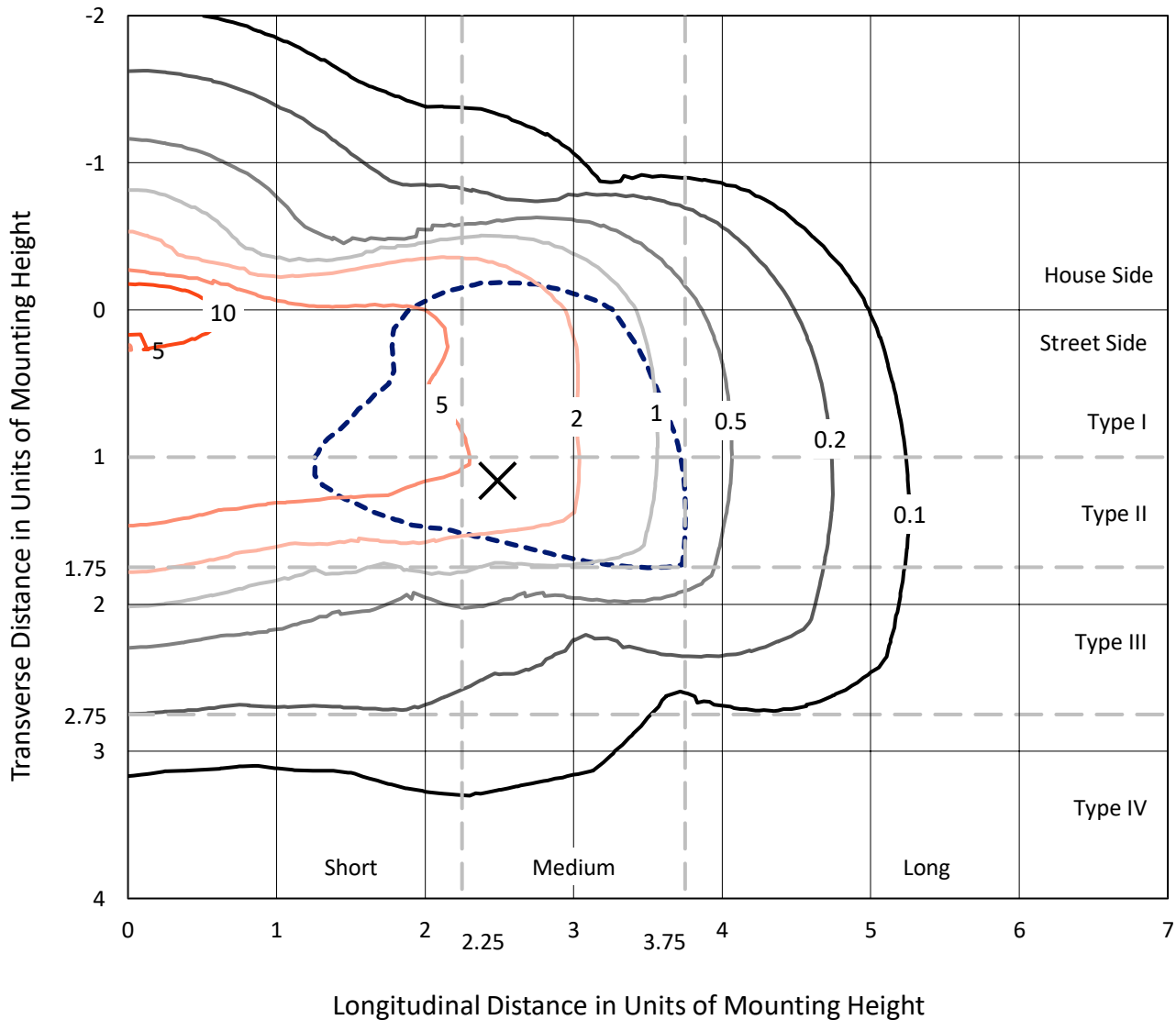
Lumens per Lamp: N/A
Luminaire Lumens: 8116 lumens
Efficiency: N/A
Efficacy: 50.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

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

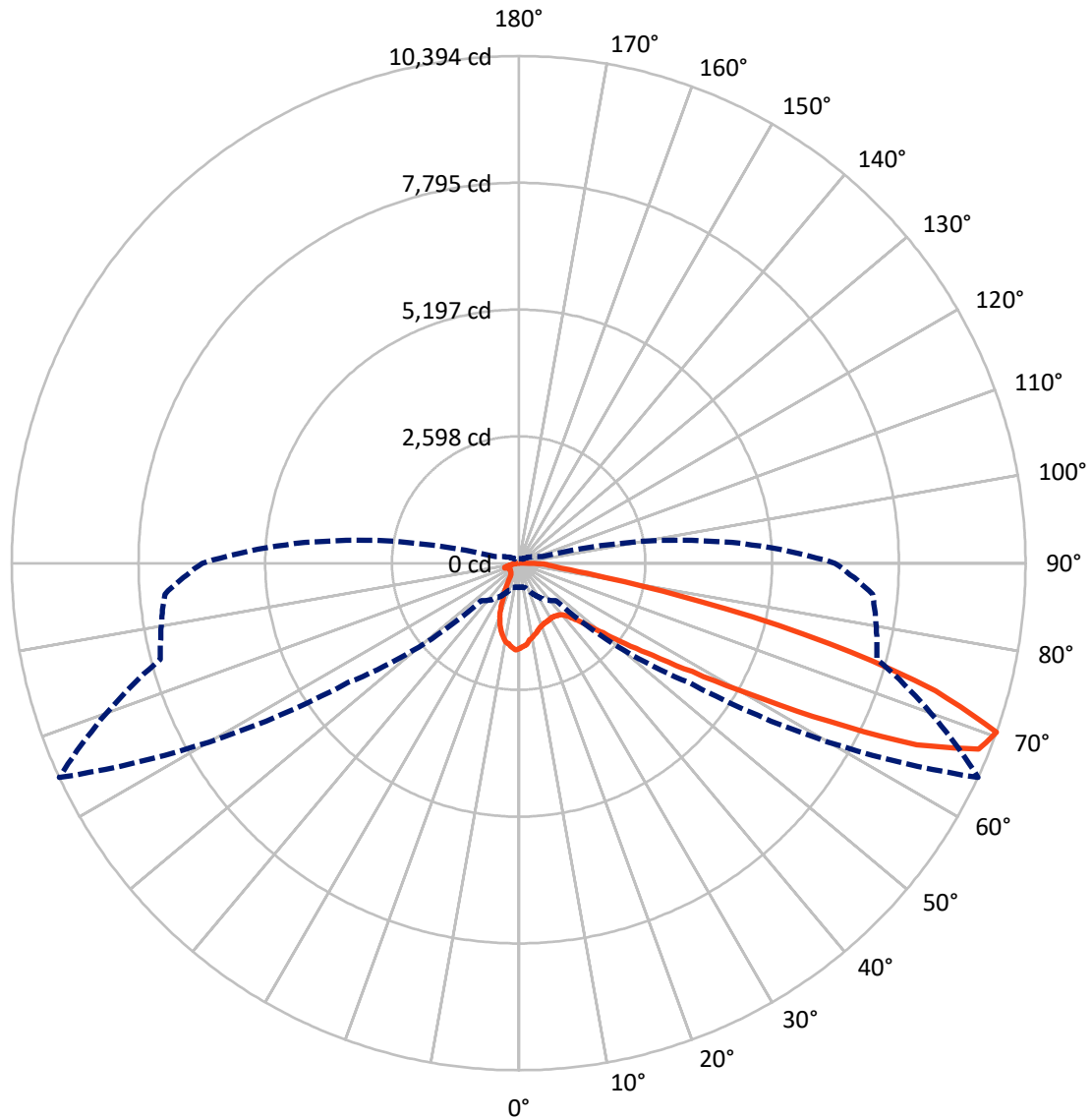
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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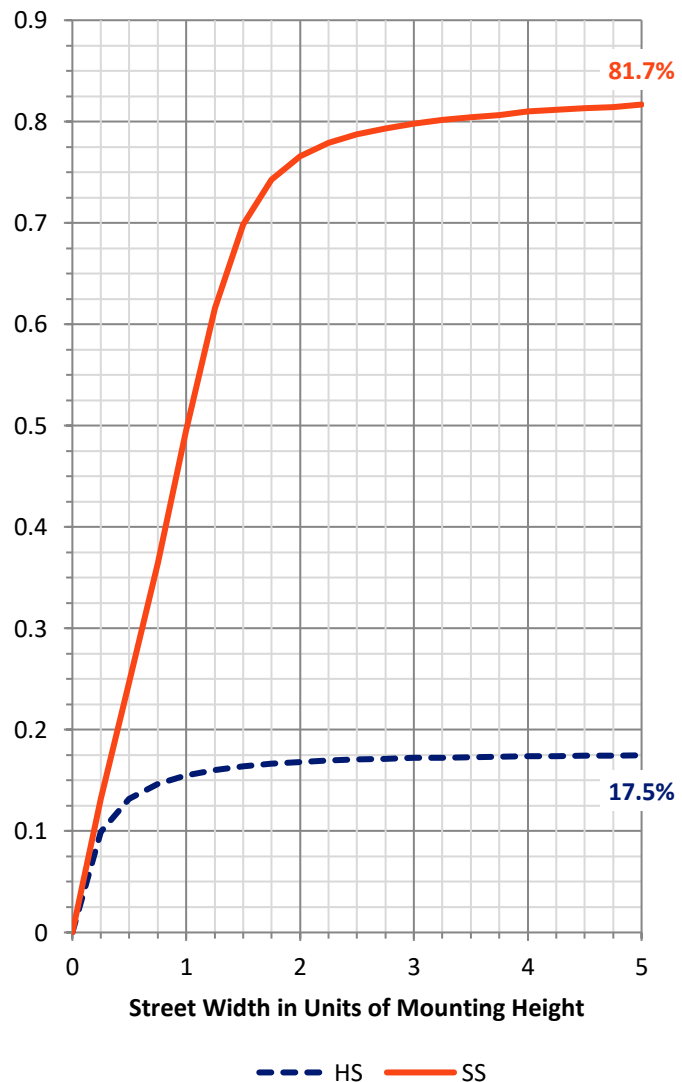
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1433.3	0.0	1433.3
	% Fixture	17.7	0.0	17.7
Street Side	Lumens	6682.8	0.0	6682.8
	% Fixture	82.3	0.0	82.3
Total	Lumens	8116.0	0.0	8116.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.2	1.8
10°-20°	334.5	4.1
20°-30°	447.8	5.5
30°-40°	620.5	7.6
40°-50°	994.6	12.3
50°-60°	1690.0	20.8
60°-70°	2285.2	28.2
70°-80°	1393.2	17.2
80°-90°	202.1	2.5
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°	8116.0	100.0
0°-180°	8116.0	100.0

Coefficient of Utilization

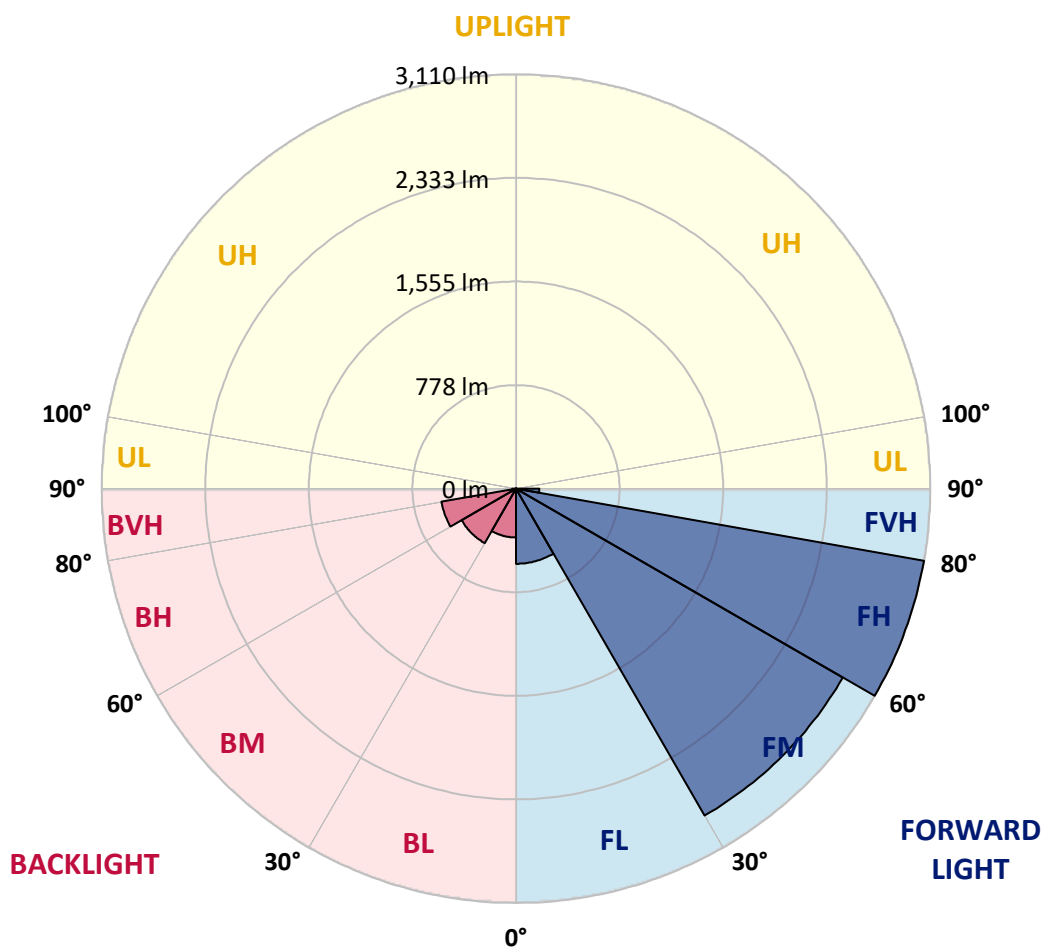


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	564.0	6.9			
FM (30°-60°)	2833.3	34.9			
FH (60°-80°)	3110.1	38.3			G2/5000
FVH (80°-90°)	175.3	2.2			G2/225
BL (0°-30°)	366.4	4.5	B1/500		
BM (30°-60°)	471.9	5.8	B1/1000		
BH (60°-80°)	568.2	7.0	B2/1000		G2/1000
BVH (80°-90°)	26.8	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1751.7	1751.7	1751.7	1751.7	1751.7	1751.7	1751.7	1751.7	1751.7	1751.7	1751.7
2.5°	1606.7	1614.8	1622.9	1626.9	1671.2	1683.3	1711.4	1711.4	1755.7	1759.8	1767.8
5°	1437.6	1469.8	1490.0	1494.0	1546.3	1570.5	1634.9	1679.2	1723.5	1755.7	1788.0
7.5°	1341.0	1341.0	1349.0	1369.2	1405.4	1453.7	1526.2	1594.7	1707.4	1771.8	1783.9
10°	1244.3	1252.4	1260.4	1272.5	1320.8	1349.0	1437.6	1542.3	1655.1	1779.9	1812.1
12.5°	1167.8	1159.8	1175.9	1208.1	1240.3	1280.6	1365.1	1498.0	1622.9	1771.8	1820.2
15°	8.1	1123.5	1131.6	1143.6	1183.9	1248.3	1324.9	1445.7	1606.7	1788.0	1832.3
17.5°	1107.4	1091.3	1095.3	1107.4	1151.7	1212.1	1276.5	1393.3	1598.7	1816.1	1856.4
20°	1095.3	1087.3	1091.3	1095.3	1119.5	1171.8	1256.4	1369.2	1582.6	1804.1	1848.4
22.5°	1111.4	1123.5	1111.4	1107.4	1119.5	1143.6	1228.2	1341.0	1554.4	1812.1	1804.1
25°	1196.0	1192.0	1175.9	1151.7	1127.5	1131.6	1224.2	1332.9	1514.1	1804.1	1771.8
27.5°	1248.3	1272.5	1248.3	1220.2	1159.8	1143.6	1208.1	1320.8	1506.1	1800.0	1767.8
30°	1377.2	1365.1	1365.1	1304.7	1232.2	1171.8	1212.1	1308.8	1498.0	1767.8	1695.3
32.5°	1506.1	1502.0	1506.1	1461.8	1353.0	1236.3	1240.3	1308.8	1477.9	1763.8	1679.2
35°	1679.2	1663.1	1671.2	1647.0	1498.0	1336.9	1272.5	1328.9	1457.7	1755.7	1639.0
37.5°	1783.9	1816.1	1848.4	1860.4	1695.3	1481.9	1361.1	1349.0	1457.7	1743.7	1606.7
40°	1989.3	1973.2	2045.7	2073.9	1949.0	1671.2	1449.7	1397.3	1502.0	1763.8	1578.6
42.5°	2154.4	2178.6	2247.0	2279.2	2198.7	1888.6	1626.9	1485.9	1582.6	1828.2	1643.0
45°	2472.5	2492.7	2545.0	2581.3	2492.7	2150.4	1856.4	1671.2	1695.3	1957.1	1707.4
47.5°	2758.4	2826.9	2806.8	2907.4	2875.2	2496.7	2098.0	1900.7	1892.7	2162.5	1848.4
50°	3044.4	3016.2	3016.2	3157.1	3310.1	2951.7	2452.4	2243.0	2210.8	2416.2	2033.6
52.5°	3092.7	3092.7	3080.6	3229.6	3636.3	3600.1	2955.8	2738.3	2609.4	2790.7	2351.7
55°	2915.5	2939.7	2907.4	3112.8	3745.0	4244.4	3696.7	3334.3	3124.9	3350.4	2790.7
57.5°	2476.6	2424.2	2388.0	2694.0	3555.8	4715.5	4993.4	4196.1	3724.9	4031.0	3451.1
60°	1836.3	1836.3	1804.1	2025.5	2903.4	4747.7	6120.9	5436.3	4490.0	4868.6	4248.4
62.5°	1312.8	1304.7	1296.7	1437.6	2025.5	4167.9	6970.6	7147.8	5396.1	5883.3	5247.1
65°	914.1	910.1	898.0	1022.8	1304.7	2984.0	7039.1	8972.0	6382.7	6805.5	6165.2
67.5°	684.6	672.5	692.6	857.7	982.6	1804.1	6100.8	10176.0	7357.2	7457.9	6692.8
70°	499.3	491.3	515.4	696.7	902.0	1091.3	4268.5	10393.5	7602.8	7284.7	6487.4
72.5°	362.4	350.3	382.6	539.6	849.7	974.5	2355.8	8935.7	6978.7	6185.4	5452.5
75°	245.6	241.6	257.7	398.7	785.3	946.3	1208.1	6576.0	5480.6	4296.7	3495.4
77.5°	173.2	173.2	173.2	245.6	616.1	934.2	954.4	3813.5	3257.8	2424.2	1900.7
80°	128.9	128.9	132.9	165.1	414.8	946.3	898.0	1804.1	1401.4	817.5	640.3
82.5°	76.5	84.6	96.6	116.8	213.4	857.7	877.9	869.8	390.6	249.7	233.6
85°	40.3	40.3	56.4	80.5	124.8	616.1	845.7	652.4	209.4	140.9	132.9
87.5°	12.1	12.1	20.1	32.2	48.3	273.8	648.3	519.5	120.8	72.5	80.5
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1751.7	1751.7	1751.7	1751.7	1751.7	1751.7	1751.7	1751.7	1751.7	1751.7
2.5°	1779.9	1767.8	1779.9	1755.7	1723.5	1691.3	1703.4	1695.3	1687.3	1683.3
5°	1779.9	1783.9	1735.6	1703.4	1663.1	1598.7	1574.5	1550.4	1534.3	1550.4
7.5°	1792.0	1747.7	1667.1	1610.8	1526.2	1449.7	1397.3	1345.0	1304.7	1300.7
10°	1792.0	1715.5	1634.9	1498.0	1385.3	1224.2	1115.5	1043.0	986.6	1006.7
12.5°	1800.0	1707.4	1538.3	1349.0	1175.9	978.5	825.5	732.9	688.6	692.6
15°	1779.9	1655.1	1433.6	1204.1	926.2	708.7	596.0	539.6	511.4	527.5
17.5°	1779.9	1606.7	1308.8	974.5	692.6	515.4	451.0	443.0	438.9	438.9
20°	1775.9	1494.0	1163.8	753.0	479.2	390.6	366.5	378.5	386.6	390.6
22.5°	1699.4	1413.5	958.4	539.6	358.4	322.2	322.2	334.2	350.3	358.4
25°	1643.0	1280.6	753.0	378.5	302.0	289.9	294.0	302.0	318.1	318.1
27.5°	1590.6	1171.8	571.8	306.0	273.8	273.8	277.9	285.9	298.0	294.0
30°	1542.3	1022.8	426.9	269.8	261.8	257.7	261.8	265.8	269.8	273.8
32.5°	1494.0	894.0	326.2	257.7	253.7	249.7	249.7	245.6	249.7	245.6
35°	1413.5	761.1	273.8	245.6	241.6	237.6	233.6	229.5	229.5	229.5
37.5°	1373.2	640.3	257.7	237.6	233.6	229.5	221.5	221.5	221.5	217.5
40°	1332.9	527.5	249.7	229.5	225.5	217.5	209.4	213.4	213.4	213.4
42.5°	1328.9	438.9	241.6	225.5	217.5	205.4	201.3	205.4	205.4	201.3
45°	1332.9	370.5	237.6	217.5	209.4	201.3	197.3	197.3	197.3	197.3
47.5°	1405.4	326.2	229.5	213.4	205.4	197.3	189.3	185.2	185.2	189.3
50°	1477.9	318.1	225.5	213.4	205.4	189.3	185.2	177.2	177.2	173.2
52.5°	1630.9	314.1	221.5	209.4	197.3	181.2	173.2	165.1	161.1	165.1
55°	1852.4	318.1	217.5	201.3	189.3	173.2	165.1	157.1	153.0	153.0
57.5°	2355.8	322.2	213.4	197.3	181.2	161.1	153.0	145.0	145.0	140.9
60°	3016.2	346.3	209.4	185.2	169.1	153.0	145.0	136.9	132.9	132.9
62.5°	3853.8	346.3	217.5	181.2	157.1	140.9	132.9	128.9	124.8	120.8
65°	4574.6	398.7	237.6	173.2	140.9	128.9	120.8	116.8	112.8	112.8
67.5°	4985.3	438.9	269.8	177.2	132.9	116.8	112.8	104.7	104.7	104.7
70°	4602.8	499.3	306.0	189.3	120.8	108.7	100.7	96.6	92.6	92.6
72.5°	3761.1	430.9	302.0	181.2	108.7	96.6	92.6	84.6	80.5	80.5
75°	2424.2	358.4	257.7	153.0	100.7	84.6	80.5	72.5	68.5	68.5
77.5°	1280.6	249.7	181.2	120.8	84.6	76.5	68.5	60.4	56.4	56.4
80°	467.1	153.0	124.8	84.6	68.5	60.4	52.4	44.3	40.3	44.3
82.5°	193.3	96.6	76.5	56.4	48.3	44.3	36.2	32.2	28.2	28.2
85°	112.8	68.5	48.3	36.2	28.2	28.2	20.1	16.1	12.1	12.1
87.5°	64.4	44.3	20.1	40.3	16.1	8.1	4.0	4.0	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

(END OF REPORT)