

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: P565265

Luminaire Tested: **IFLD-S-SA6A-AMB-U-T2R**

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565265
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-T2R
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square
Luminaire w/ T2R distribution lens
Light Source: (96) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

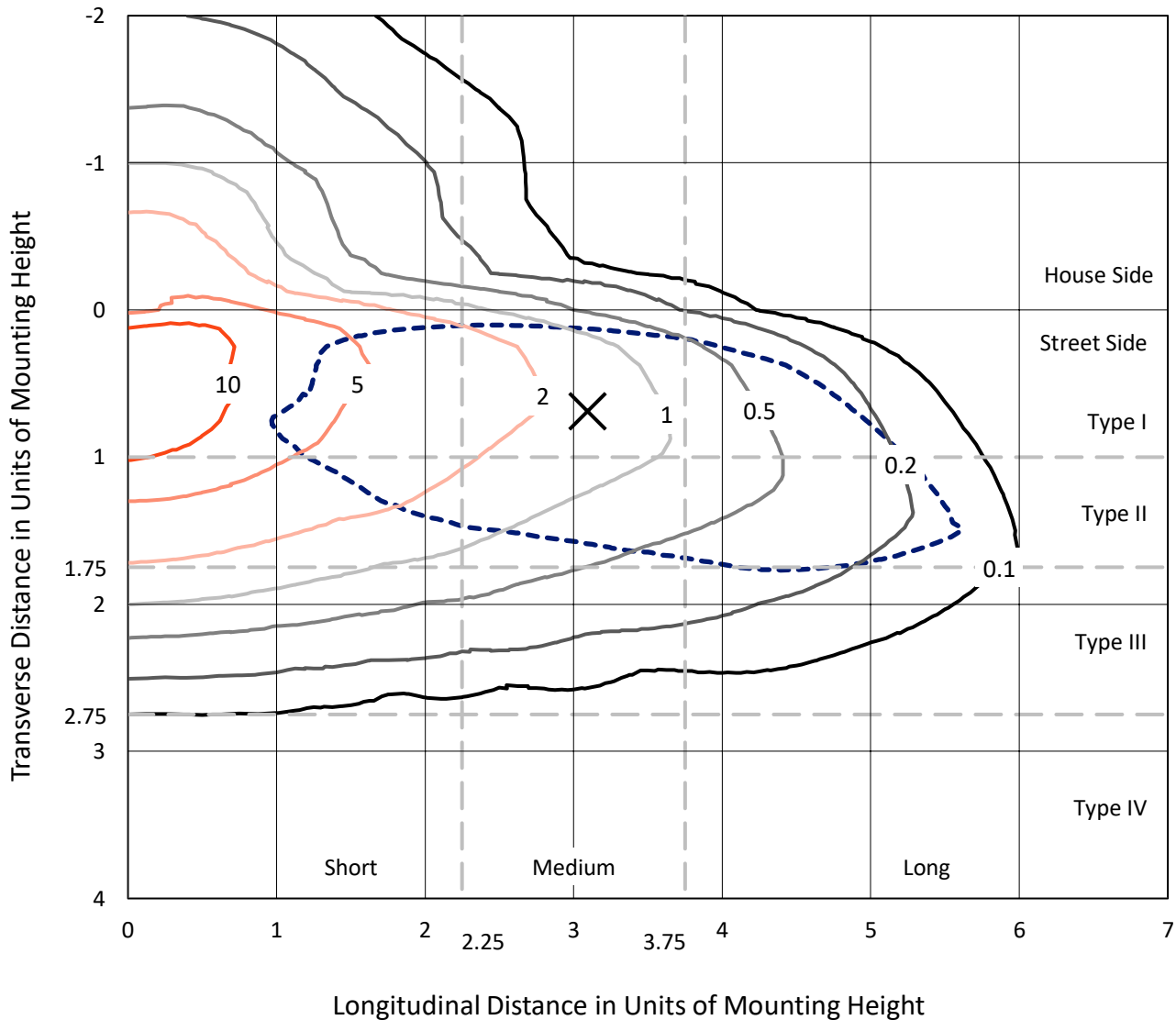
Lumens per Lamp: N/A
Luminaire Lumens: 6452 lumens
Efficiency: N/A
Efficacy: 52.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

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

REPORT NUMBER: P565265
 CATALOG NUMBER: IFLD-S-SA6A-AMB-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

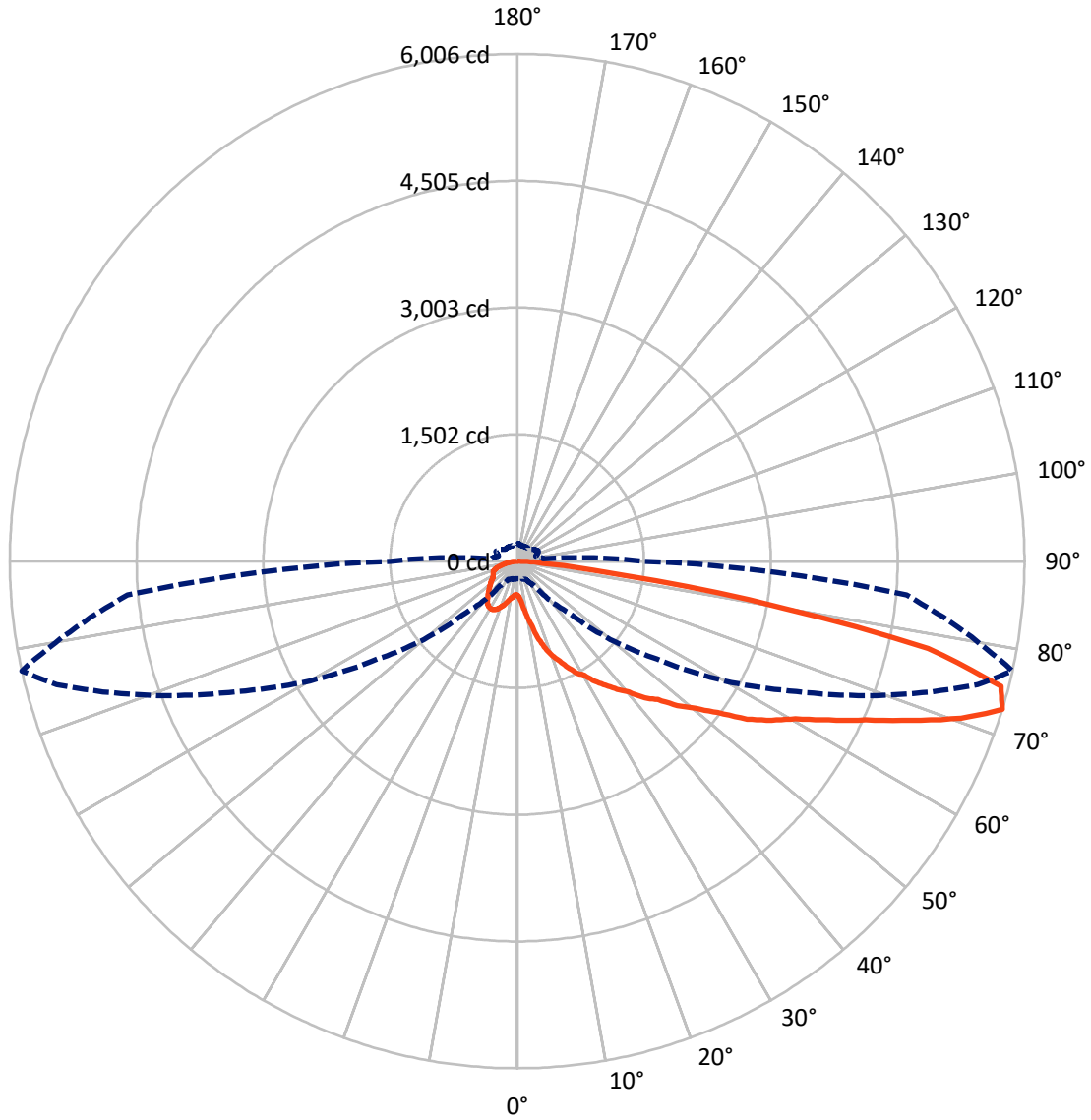
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.9 fc
 Type II - Medium - N/A

REPORT NUMBER: P565265
CATALOG NUMBER: IFLD-S-SA6A-AMB-U-T2R

Luminous Intensity Polar Plot



— Vertical Plane Through 77.5-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P565265
 CATALOG NUMBER: IFLD-S-SA6A-AMB-U-T2R

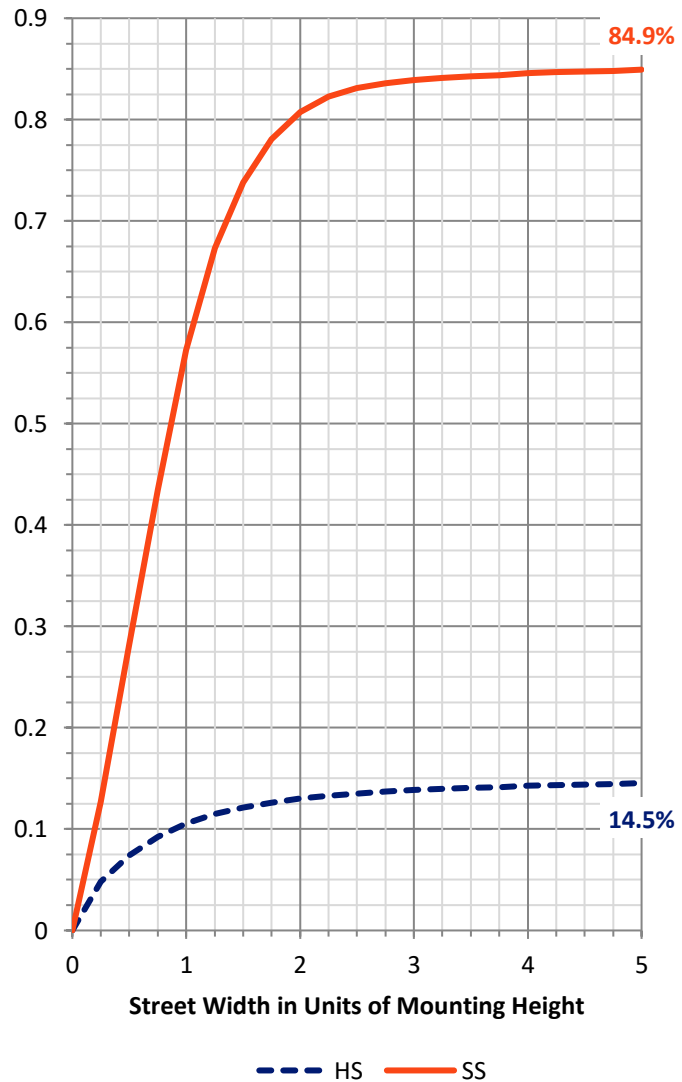
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	954.6	0.0	954.6
	% Fixture	14.8	0.0	14.8
Street Side	Lumens	5497.4	0.0	5497.4
	% Fixture	85.2	0.0	85.2
Total	Lumens	6452.0	0.0	6452.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.0	0.9
10°-20°	247.1	3.8
20°-30°	468.8	7.3
30°-40°	793.6	12.3
40°-50°	1143.5	17.7
50°-60°	1314.5	20.4
60°-70°	1321.9	20.5
70°-80°	951.4	14.7
80°-90°	153.2	2.4
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°	6452.0	100.0
0°-180°	6452.0	100.0

Coefficient of Utilization

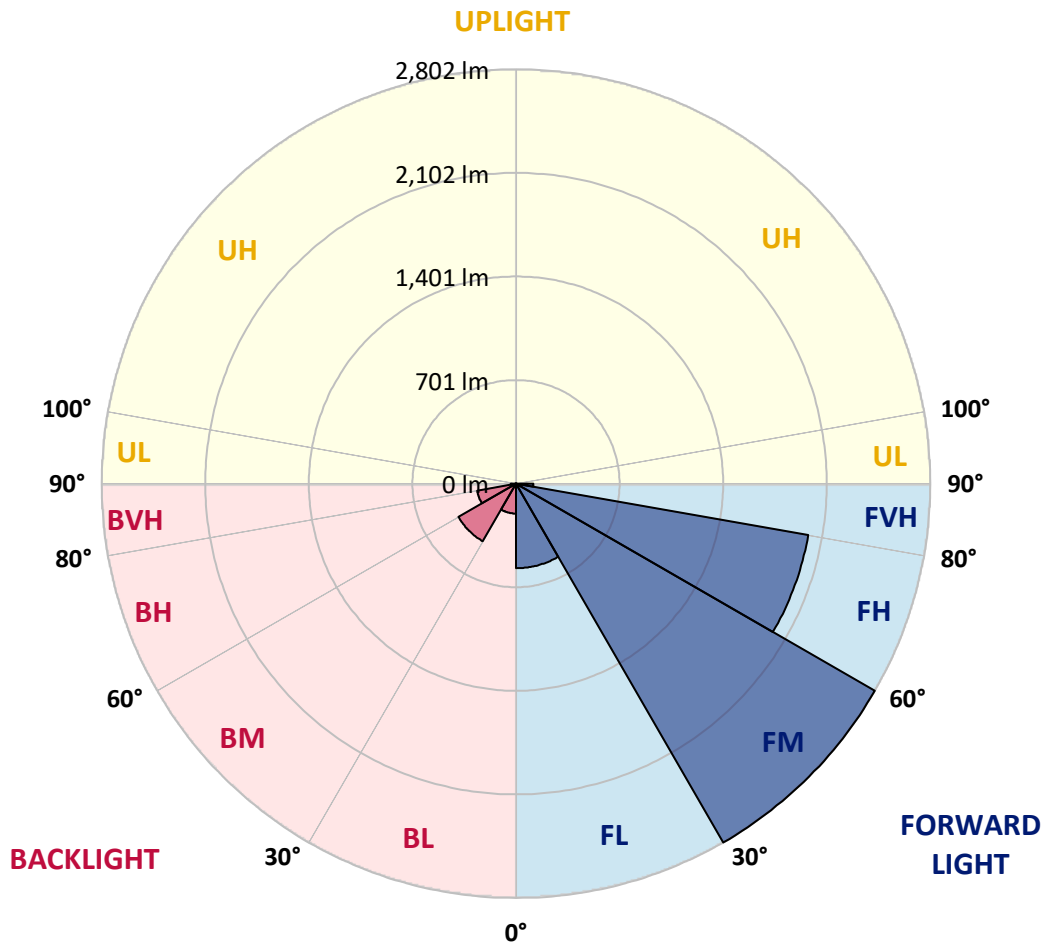


REPORT NUMBER: P565265
 CATALOG NUMBER: IFLD-S-SA6A-AMB-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	571.6	8.9			
FM (30°-60°)	2802.0	43.4			
FH (60°-80°)	2006.6	31.1			G2/5000
FVH (80°-90°)	117.2	1.8			G2/225
BL (0°-30°)	202.4	3.1	B1/500		
BM (30°-60°)	449.6	7.0	B1/1000		
BH (60°-80°)	266.6	4.1	B1/500		G1/500
BVH (80°-90°)	36.0	0.6			G1/100
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 Medium





REPORT NUMBER: P565265
 CATALOG NUMBER: IFLD-S-SA6A-AMB-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8
2.5°	583.9	565.0	552.4	539.7	517.6	505.0	479.8	441.9	426.1	426.1	413.5
5°	924.8	893.2	886.9	858.5	820.6	757.5	653.4	561.8	495.5	473.4	438.7
7.5°	1060.5	1076.3	1066.8	1054.2	1025.8	975.3	912.2	751.2	596.5	565.0	489.2
10°	1189.9	1218.3	1205.7	1183.6	1193.1	1133.1	1066.8	953.2	735.4	672.3	555.5
12.5°	1294.1	1300.4	1322.5	1328.8	1347.7	1303.6	1237.3	1104.7	896.4	801.7	628.1
15°	1382.5	1366.7	1410.9	1448.7	1464.5	1451.9	1366.7	1224.6	1044.7	962.7	716.5
17.5°	1369.8	1360.4	1391.9	1480.3	1534.0	1568.7	1511.9	1360.4	1164.7	1088.9	820.6
20°	1290.9	1316.2	1357.2	1445.6	1537.1	1638.1	1644.4	1477.1	1262.5	1196.2	931.1
22.5°	1309.9	1303.6	1341.4	1423.5	1543.4	1641.3	1717.0	1619.2	1357.2	1287.8	1022.6
25°	1360.4	1363.5	1407.7	1467.7	1559.2	1672.8	1770.7	1717.0	1451.9	1391.9	1120.5
27.5°	1537.1	1524.5	1518.2	1534.0	1606.6	1729.7	1818.0	1805.4	1552.9	1499.2	1231.0
30°	1925.3	1865.4	1767.5	1679.2	1672.8	1783.3	1843.3	1868.5	1663.4	1568.7	1303.6
32.5°	2338.8	2345.1	2209.4	1982.2	1761.2	1865.4	1925.3	1896.9	1786.5	1698.1	1385.6
35°	2556.6	2556.6	2531.4	2357.8	2051.6	1953.7	1966.4	1934.8	1887.5	1805.4	1486.6
37.5°	2768.1	2755.4	2663.9	2559.8	2360.9	2108.4	2095.8	1979.0	1975.8	1925.3	1568.7
40°	2935.4	2891.2	2843.8	2717.6	2588.2	2360.9	2187.3	2086.3	2086.3	2042.1	1647.6
42.5°	2985.9	2970.1	2900.6	2809.1	2714.4	2581.9	2364.1	2190.5	2234.7	2215.7	1773.8
45°	2948.0	2907.0	2850.1	2821.7	2783.9	2704.9	2585.0	2307.3	2373.5	2338.8	1900.1
47.5°	2780.7	2787.0	2736.5	2821.7	2828.0	2771.2	2837.5	2465.1	2518.7	2553.4	2032.7
50°	2544.0	2540.8	2578.7	2739.7	2780.7	2847.0	2966.9	2667.1	2704.9	2742.8	2206.3
52.5°	2155.8	2162.1	2294.6	2461.9	2695.5	2840.7	3134.2	2891.2	2941.7	2976.4	2433.5
55°	1837.0	1840.1	1931.7	2171.5	2509.3	2796.5	3137.4	3121.6	3244.7	3301.5	2667.1
57.5°	1717.0	1726.5	1748.6	1909.6	2212.6	2717.6	3216.3	3285.7	3437.2	3554.0	2869.1
60°	1562.4	1546.6	1612.9	1751.7	1991.6	2559.8	3213.1	3399.3	3664.5	3787.6	3137.4
62.5°	1278.3	1265.7	1350.9	1562.4	1865.4	2307.3	3244.7	3595.0	3929.6	4144.2	3402.5
65°	861.7	842.7	953.2	1199.4	1590.8	2146.3	3225.7	3730.7	4298.9	4532.4	3787.6
67.5°	454.5	451.4	542.9	779.6	1208.9	1878.0	3020.6	3948.5	4756.5	5031.1	4216.8
70°	249.3	249.3	287.2	397.7	710.2	1414.0	2698.6	3954.8	5201.6	5574.0	4504.0
72.5°	208.3	211.5	217.8	233.6	353.5	861.7	2020.0	3645.5	5643.5	6006.4	4630.3
75°	183.1	183.1	186.2	189.4	217.8	429.3	1287.8	3159.5	5842.3	5914.9	4273.6
77.5°	154.7	151.5	154.7	157.8	173.6	274.6	618.6	2401.9	5182.6	4974.3	2954.3
80°	126.3	129.4	129.4	129.4	145.2	211.5	249.3	1492.9	3175.2	2783.9	1322.5
82.5°	91.5	94.7	101.0	104.2	129.4	145.2	132.6	684.9	1174.1	915.3	381.9
85°	41.0	44.2	66.3	66.3	94.7	69.4	72.6	246.2	369.3	315.6	113.6
87.5°	3.2	3.2	25.3	25.3	37.9	22.1	28.4	72.6	126.3	119.9	31.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P565265
 CATALOG NUMBER: IFLD-S-SA6A-AMB-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8
2.5°	407.2	404.0	394.5	394.5	388.2	388.2	385.1	385.1	385.1	378.8	375.6
5°	426.1	416.6	407.2	397.7	394.5	391.4	394.5	397.7	394.5	388.2	388.2
7.5°	457.7	438.7	422.9	410.3	410.3	407.2	407.2	407.2	407.2	410.3	407.2
10°	495.5	470.3	438.7	429.3	422.9	429.3	426.1	422.9	422.9	422.9	422.9
12.5°	542.9	508.2	460.8	451.4	451.4	445.0	441.9	445.0	438.7	429.3	435.6
15°	602.9	552.4	495.5	482.9	473.4	464.0	454.5	448.2	448.2	438.7	445.0
17.5°	678.6	593.4	530.3	505.0	498.7	479.8	464.0	454.5	445.0	441.9	441.9
20°	748.0	640.7	552.4	527.1	501.9	482.9	467.1	448.2	435.6	429.3	432.4
22.5°	817.5	684.9	583.9	536.6	498.7	473.4	454.5	438.7	426.1	416.6	416.6
25°	886.9	722.8	596.5	536.6	495.5	460.8	438.7	426.1	410.3	397.7	397.7
27.5°	953.2	763.8	602.9	527.1	476.6	445.0	419.8	407.2	391.4	378.8	378.8
30°	1029.0	789.1	593.4	508.2	454.5	422.9	404.0	385.1	375.6	359.8	359.8
32.5°	1073.1	801.7	580.8	479.8	432.4	404.0	385.1	372.4	363.0	353.5	347.2
35°	1120.5	801.7	555.5	448.2	407.2	381.9	375.6	369.3	363.0	340.9	334.6
37.5°	1161.5	785.9	514.5	419.8	385.1	372.4	375.6	369.3	353.5	328.3	321.9
40°	1208.9	767.0	470.3	388.2	359.8	372.4	385.1	359.8	315.6	299.8	293.5
42.5°	1265.7	751.2	429.3	363.0	350.3	372.4	381.9	328.3	306.2	284.1	284.1
45°	1309.9	719.6	394.5	340.9	340.9	359.8	366.1	315.6	299.8	280.9	280.9
47.5°	1376.1	678.6	366.1	321.9	331.4	344.0	325.1	312.5	290.4	277.8	274.6
50°	1480.3	634.4	340.9	306.2	321.9	334.6	306.2	299.8	280.9	265.1	265.1
52.5°	1568.7	590.2	325.1	303.0	315.6	315.6	293.5	280.9	271.4	255.7	249.3
55°	1641.3	530.3	299.8	293.5	315.6	280.9	274.6	271.4	268.3	246.2	243.0
57.5°	1691.8	476.6	290.4	296.7	309.3	268.3	268.3	265.1	255.7	243.0	239.9
60°	1694.9	445.0	287.2	296.7	303.0	255.7	262.0	258.8	249.3	243.0	239.9
62.5°	1710.7	422.9	284.1	293.5	290.4	239.9	249.3	252.5	239.9	236.7	236.7
65°	1764.4	404.0	284.1	299.8	265.1	233.6	236.7	236.7	230.4	233.6	233.6
67.5°	1805.4	385.1	277.8	309.3	249.3	224.1	227.3	224.1	220.9	227.3	227.3
70°	1710.7	350.3	258.8	299.8	246.2	211.5	211.5	211.5	205.2	220.9	217.8
72.5°	1502.4	315.6	227.3	277.8	243.0	198.8	198.8	192.5	189.4	208.3	195.7
75°	1126.8	262.0	186.2	224.1	230.4	192.5	183.1	173.6	161.0	164.1	157.8
77.5°	669.1	198.8	145.2	170.4	192.5	186.2	170.4	151.5	132.6	132.6	129.4
80°	334.6	132.6	113.6	129.4	142.0	179.9	148.3	126.3	104.2	104.2	97.8
82.5°	164.1	85.2	78.9	97.8	88.4	161.0	126.3	97.8	75.8	101.0	107.3
85°	72.6	53.7	50.5	60.0	50.5	110.5	94.7	60.0	66.3	69.4	50.5
87.5°	22.1	22.1	18.9	15.8	15.8	28.4	47.3	15.8	44.2	9.5	6.3
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)