

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: P565267

Luminaire Tested: **IFLD-L-SA7A-AMB-U-T2R**

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565267
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-T2R
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square
Luminaire w/ T2R distribution lens
Light Source: (112) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

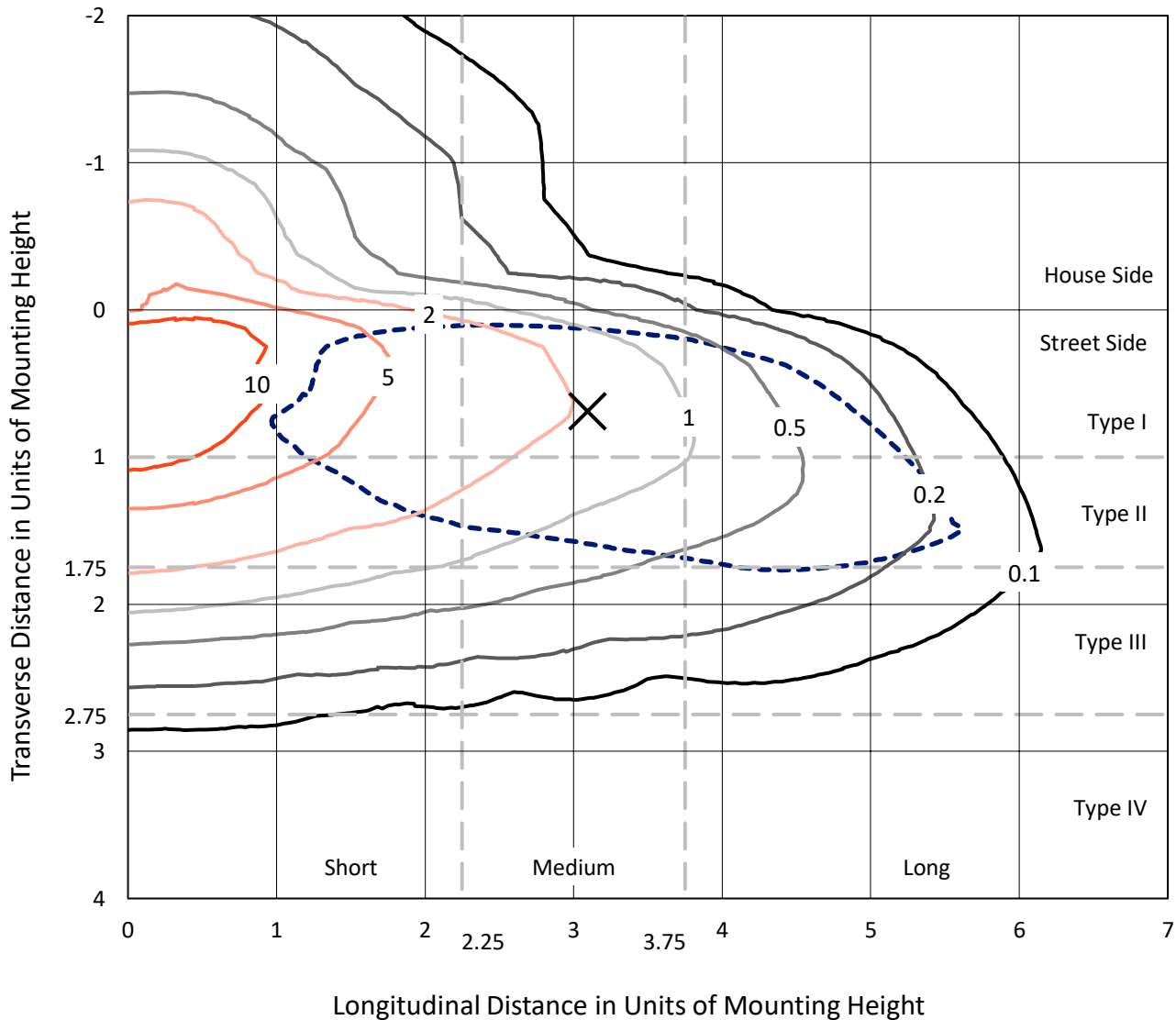
Lumens per Lamp: N/A
Luminaire Lumens: 7482.5 lumens
Efficiency: N/A
Efficacy: 53.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 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

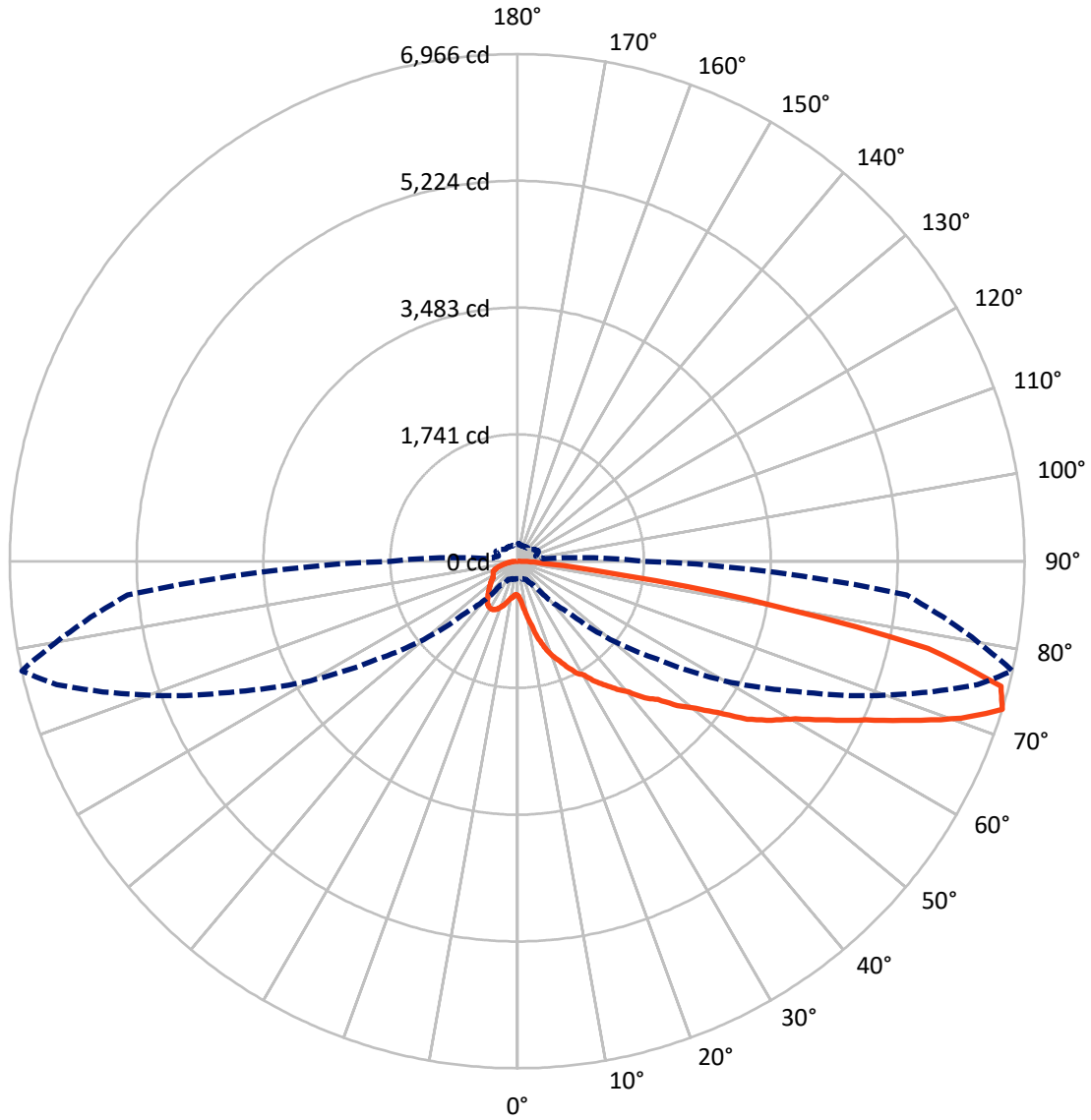
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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

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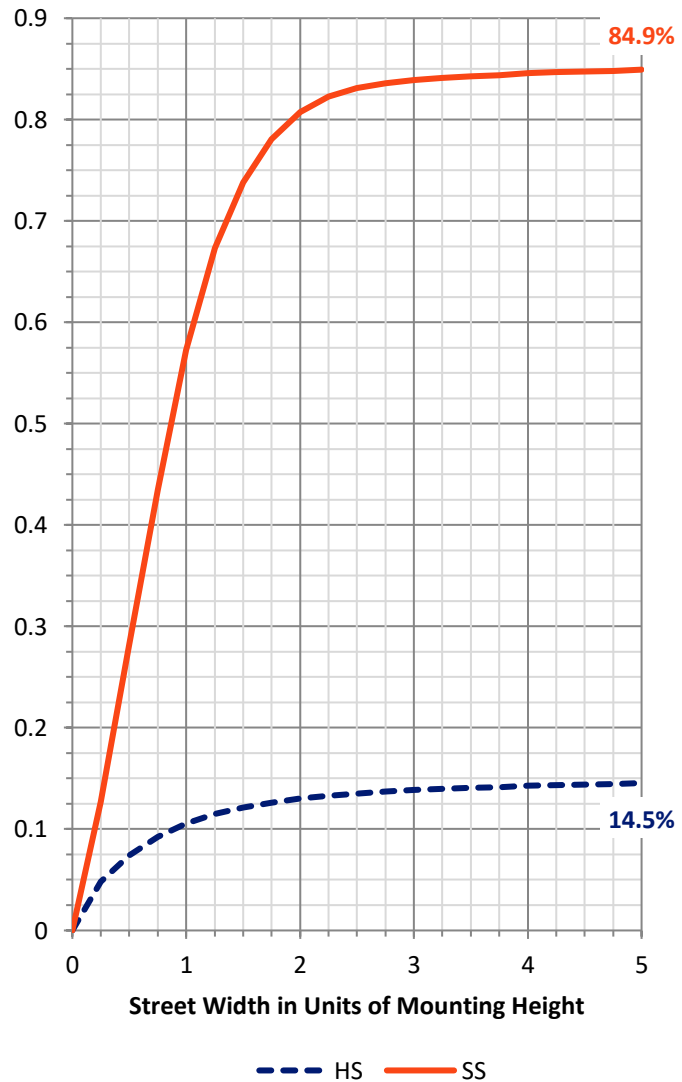
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1107.0	0.0	1107.0
	% Fixture	14.8	0.0	14.8
Street Side	Lumens	6375.4	0.0	6375.4
	% Fixture	85.2	0.0	85.2
Total	Lumens	7482.5	0.0	7482.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.3	0.9
10°-20°	286.6	3.8
20°-30°	543.7	7.3
30°-40°	920.3	12.3
40°-50°	1326.1	17.7
50°-60°	1524.5	20.4
60°-70°	1533.0	20.5
70°-80°	1103.3	14.7
80°-90°	177.6	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°	7482.5	100.0
0°-180°	7482.5	100.0

Coefficient of Utilization

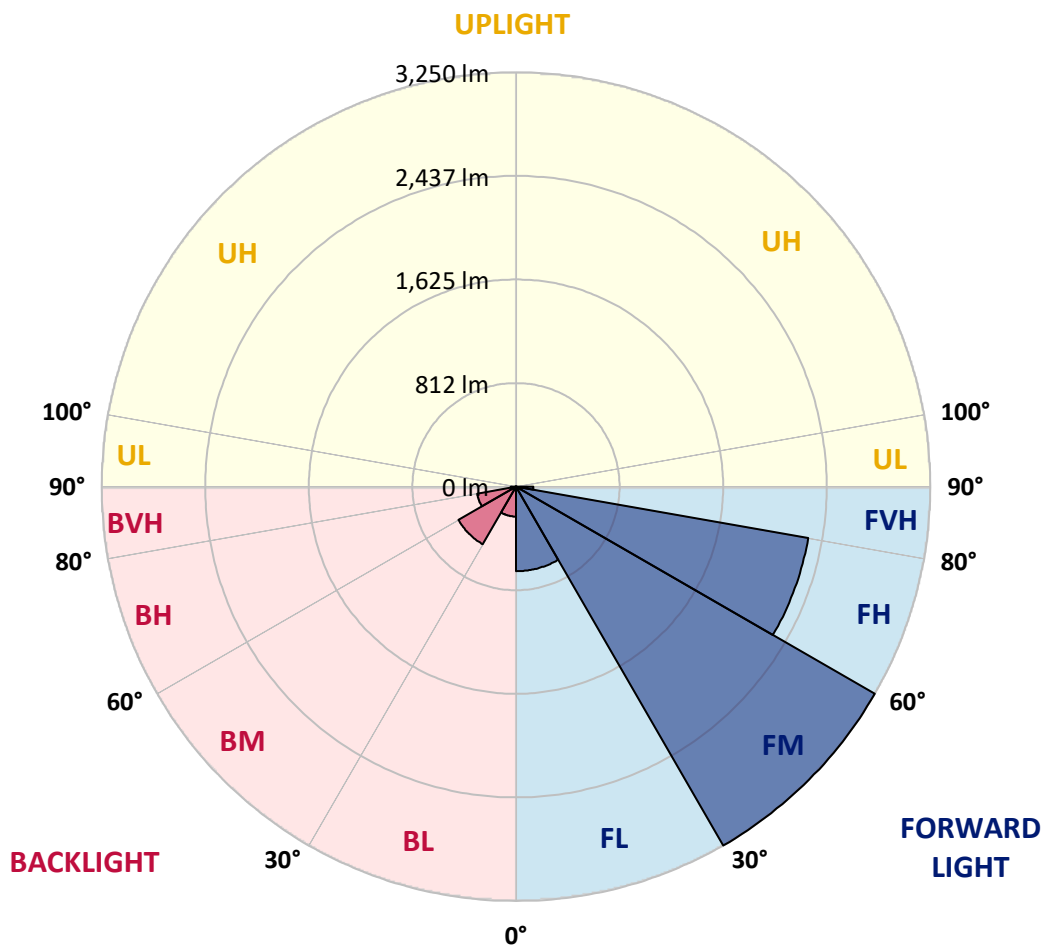


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	662.9	8.9			
FM (30°-60°)	3249.5	43.4			
FH (60°-80°)	2327.1	31.1			G2/5000
FVH (80°-90°)	135.9	1.8			G2/225
BL (0°-30°)	234.7	3.1	B1/500		
BM (30°-60°)	521.4	7.0	B1/1000		
BH (60°-80°)	309.2	4.1	B1/500		G1/500
BVH (80°-90°)	41.7	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	464.9	464.9	464.9	464.9	464.9	464.9	464.9	464.9	464.9	464.9	464.9
2.5°	677.2	655.2	640.6	625.9	600.3	585.7	556.4	512.5	494.2	494.2	479.5
5°	1072.5	1035.9	1028.6	995.6	951.7	878.5	757.7	651.5	574.7	549.1	508.8
7.5°	1229.9	1248.2	1237.2	1222.6	1189.6	1131.1	1057.9	871.2	691.8	655.2	567.4
10°	1380.0	1412.9	1398.3	1372.6	1383.6	1314.1	1237.2	1105.4	852.9	779.7	644.2
12.5°	1500.8	1508.1	1533.7	1541.0	1563.0	1511.7	1434.9	1281.1	1039.6	929.7	728.4
15°	1603.3	1584.9	1636.2	1680.1	1698.4	1683.8	1584.9	1420.2	1211.6	1116.4	830.9
17.5°	1588.6	1577.6	1614.2	1716.7	1779.0	1819.2	1753.3	1577.6	1350.7	1262.8	951.7
20°	1497.1	1526.4	1574.0	1676.5	1782.6	1899.7	1907.1	1713.1	1464.2	1387.3	1079.8
22.5°	1519.1	1511.7	1555.7	1650.8	1789.9	1903.4	1991.3	1877.8	1574.0	1493.4	1186.0
25°	1577.6	1581.3	1632.5	1702.1	1808.2	1940.0	2053.5	1991.3	1683.8	1614.2	1299.4
27.5°	1782.6	1768.0	1760.6	1779.0	1863.1	2005.9	2108.4	2093.7	1800.9	1738.7	1427.6
30°	2232.8	2163.3	2049.8	1947.3	1940.0	2068.1	2137.7	2167.0	1929.0	1819.2	1511.7
32.5°	2712.4	2719.7	2562.3	2298.7	2042.5	2163.3	2232.8	2199.9	2071.8	1969.3	1606.9
35°	2964.9	2964.9	2935.6	2734.3	2379.3	2265.8	2280.4	2243.8	2188.9	2093.7	1724.0
37.5°	3210.2	3195.5	3089.4	2968.6	2738.0	2445.1	2430.5	2295.1	2291.4	2232.8	1819.2
40°	3404.2	3352.9	3298.0	3151.6	3001.5	2738.0	2536.7	2419.5	2419.5	2368.3	1910.7
42.5°	3462.7	3444.4	3363.9	3257.7	3147.9	2994.2	2741.6	2540.3	2591.6	2569.6	2057.1
45°	3418.8	3371.2	3305.3	3272.4	3228.5	3137.0	2997.9	2675.7	2752.6	2712.4	2203.6
47.5°	3224.8	3232.1	3173.6	3272.4	3279.7	3213.8	3290.7	2858.8	2921.0	2961.3	2357.3
50°	2950.3	2946.6	2990.5	3177.2	3224.8	3301.7	3440.8	3093.0	3137.0	3180.9	2558.6
52.5°	2500.0	2507.4	2661.1	2855.1	3126.0	3294.4	3634.8	3352.9	3411.5	3451.7	2822.2
55°	2130.3	2134.0	2240.2	2518.3	2910.0	3243.1	3638.4	3620.1	3762.9	3828.8	3093.0
57.5°	1991.3	2002.2	2027.9	2214.5	2565.9	3151.6	3729.9	3810.5	3986.2	4121.6	3327.3
60°	1811.9	1793.6	1870.5	2031.5	2309.7	2968.6	3726.3	3942.2	4249.7	4392.5	3638.4
62.5°	1482.5	1467.8	1566.6	1811.9	2163.3	2675.7	3762.9	4169.2	4557.2	4806.1	3945.9
65°	999.3	977.3	1105.4	1390.9	1844.8	2489.1	3740.9	4326.6	4985.5	5256.3	4392.5
67.5°	527.1	523.4	629.6	904.1	1401.9	2177.9	3503.0	4579.2	5516.2	5834.7	4890.3
70°	289.2	289.2	333.1	461.2	823.6	1639.9	3129.6	4586.5	6032.3	6464.3	5223.4
72.5°	241.6	245.2	252.6	270.9	410.0	999.3	2342.7	4227.8	6544.8	6965.7	5369.8
75°	212.3	212.3	216.0	219.6	252.6	497.8	1493.4	3664.1	6775.4	6859.6	4956.2
77.5°	179.4	175.7	179.4	183.0	201.3	318.5	717.4	2785.6	6010.4	5768.8	3426.1
80°	146.4	150.1	150.1	150.1	168.4	245.2	289.2	1731.4	3682.4	3228.5	1533.7
82.5°	106.2	109.8	117.1	120.8	150.1	168.4	153.7	794.3	1361.7	1061.5	442.9
85°	47.6	51.2	76.9	76.9	109.8	80.5	84.2	285.5	428.3	366.0	131.8
87.5°	3.7	3.7	29.3	29.3	43.9	25.6	32.9	84.2	146.4	139.1	36.6
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°	464.9	464.9	464.9	464.9	464.9	464.9	464.9	464.9	464.9	464.9	464.9
2.5°	472.2	468.5	457.5	457.5	450.2	450.2	446.6	446.6	446.6	439.2	435.6
5°	494.2	483.2	472.2	461.2	457.5	453.9	457.5	461.2	457.5	450.2	450.2
7.5°	530.8	508.8	490.5	475.9	475.9	472.2	472.2	472.2	472.2	475.9	472.2
10°	574.7	545.4	508.8	497.8	490.5	497.8	494.2	490.5	490.5	490.5	490.5
12.5°	629.6	589.3	534.4	523.4	523.4	516.1	512.5	516.1	508.8	497.8	505.1
15°	699.1	640.6	574.7	560.0	549.1	538.1	527.1	519.8	519.8	508.8	516.1
17.5°	787.0	688.2	614.9	585.7	578.3	556.4	538.1	527.1	516.1	512.5	512.5
20°	867.5	743.1	640.6	611.3	582.0	560.0	541.7	519.8	505.1	497.8	501.5
22.5°	948.0	794.3	677.2	622.3	578.3	549.1	527.1	508.8	494.2	483.2	483.2
25°	1028.6	838.2	691.8	622.3	574.7	534.4	508.8	494.2	475.9	461.2	461.2
27.5°	1105.4	885.8	699.1	611.3	552.7	516.1	486.8	472.2	453.9	439.2	439.2
30°	1193.3	915.1	688.2	589.3	527.1	490.5	468.5	446.6	435.6	417.3	417.3
32.5°	1244.5	929.7	673.5	556.4	501.5	468.5	446.6	431.9	420.9	410.0	402.6
35°	1299.4	929.7	644.2	519.8	472.2	442.9	435.6	428.3	420.9	395.3	388.0
37.5°	1347.0	911.4	596.6	486.8	446.6	431.9	435.6	428.3	410.0	380.7	373.4
40°	1401.9	889.5	545.4	450.2	417.3	431.9	446.6	417.3	366.0	347.7	340.4
42.5°	1467.8	871.2	497.8	420.9	406.3	431.9	442.9	380.7	355.1	329.4	329.4
45°	1519.1	834.6	457.5	395.3	395.3	417.3	424.6	366.0	347.7	325.8	325.8
47.5°	1595.9	787.0	424.6	373.4	384.3	399.0	377.0	362.4	336.8	322.1	318.5
50°	1716.7	735.7	395.3	355.1	373.4	388.0	355.1	347.7	325.8	307.5	307.5
52.5°	1819.2	684.5	377.0	351.4	366.0	366.0	340.4	325.8	314.8	296.5	289.2
55°	1903.4	614.9	347.7	340.4	366.0	325.8	318.5	314.8	311.1	285.5	281.9
57.5°	1962.0	552.7	336.8	344.1	358.7	311.1	311.1	307.5	296.5	281.9	278.2
60°	1965.6	516.1	333.1	344.1	351.4	296.5	303.8	300.2	289.2	281.9	278.2
62.5°	1983.9	490.5	329.4	340.4	336.8	278.2	289.2	292.8	278.2	274.5	274.5
65°	2046.2	468.5	329.4	347.7	307.5	270.9	274.5	274.5	267.2	270.9	270.9
67.5°	2093.7	446.6	322.1	358.7	289.2	259.9	263.5	259.9	256.2	263.5	263.5
70°	1983.9	406.3	300.2	347.7	285.5	245.2	245.2	245.2	237.9	256.2	252.6
72.5°	1742.3	366.0	263.5	322.1	281.9	230.6	230.6	223.3	219.6	241.6	226.9
75°	1306.8	303.8	216.0	259.9	267.2	223.3	212.3	201.3	186.7	190.3	183.0
77.5°	776.0	230.6	168.4	197.7	223.3	216.0	197.7	175.7	153.7	153.7	150.1
80°	388.0	153.7	131.8	150.1	164.7	208.6	172.0	146.4	120.8	120.8	113.5
82.5°	190.3	98.8	91.5	113.5	102.5	186.7	146.4	113.5	87.8	117.1	124.5
85°	84.2	62.2	58.6	69.5	58.6	128.1	109.8	69.5	76.9	80.5	58.6
87.5°	25.6	25.6	22.0	18.3	18.3	32.9	54.9	18.3	51.2	11.0	7.3
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)