

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: P565268

Luminaire Tested: **IFLD-L-SA8A-AMB-U-T2R**

Issue Date: 09/02/2021



Test Information

Test Method: LM-79-08
Report Number: P565268
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-T2R
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square
Luminaire w/ T2R distribution lens
Light Source: (128) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

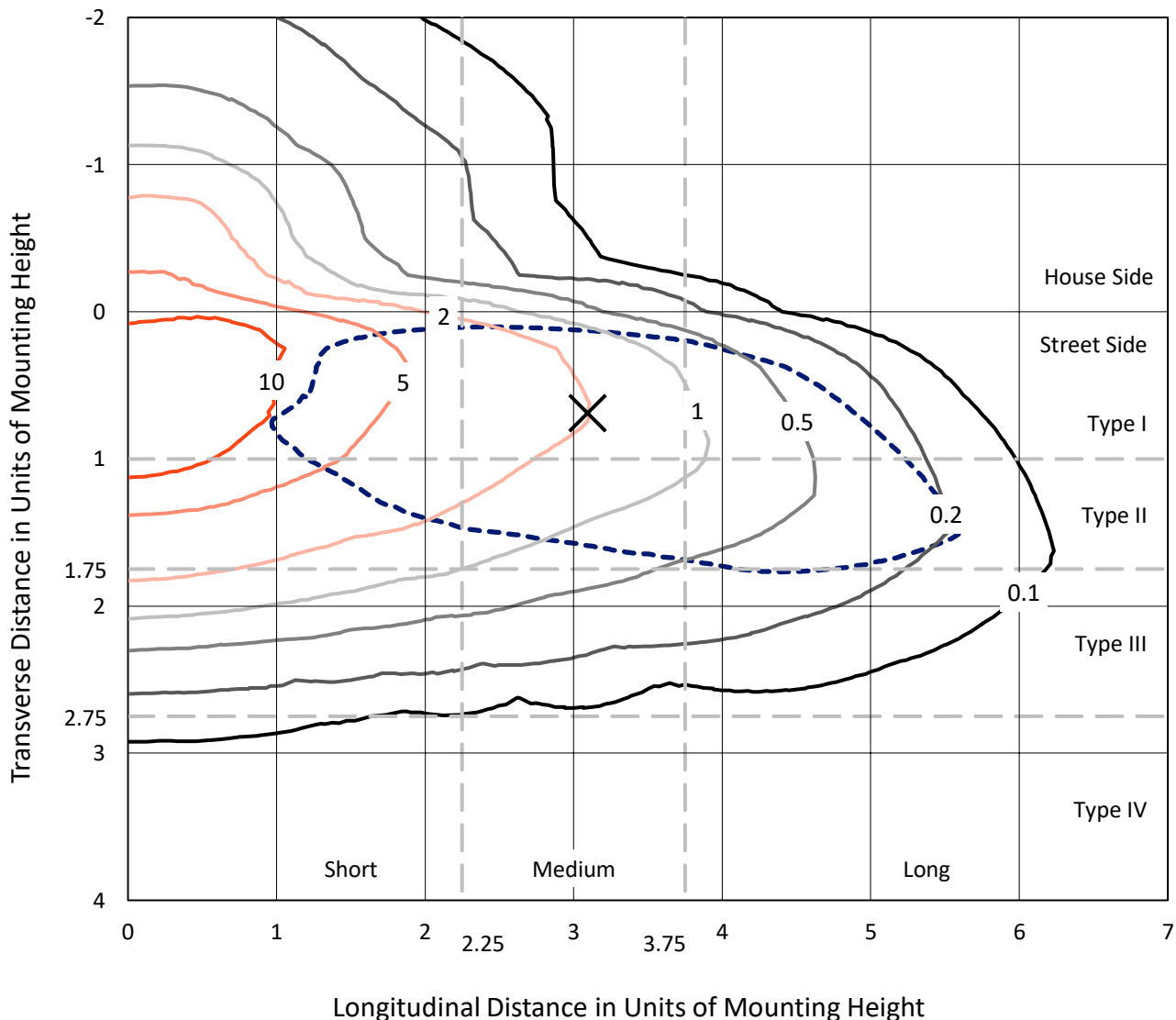
Lumens per Lamp: N/A
Luminaire Lumens: 8189 lumens
Efficiency: N/A
Efficacy: 51.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 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

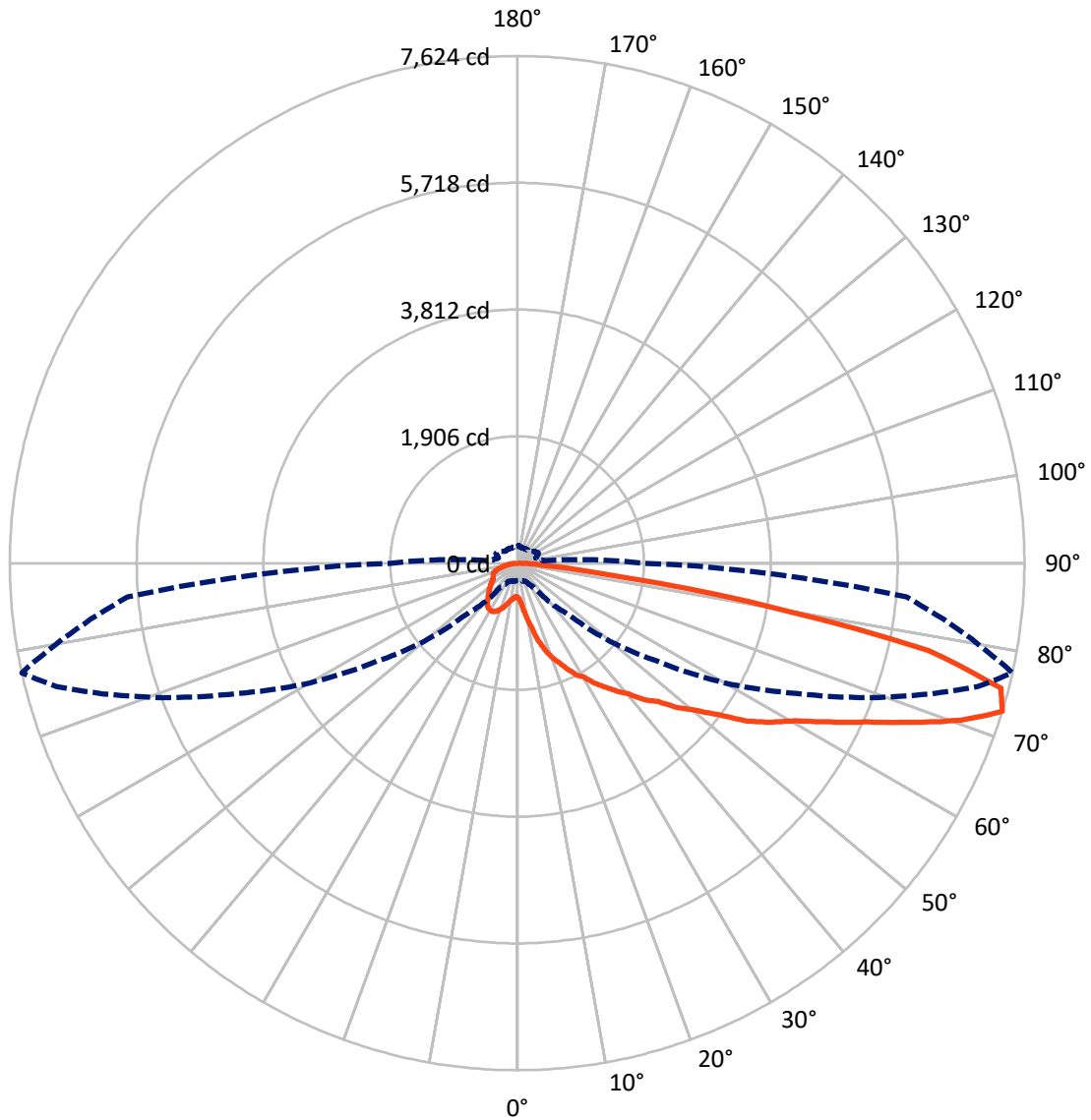
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.6 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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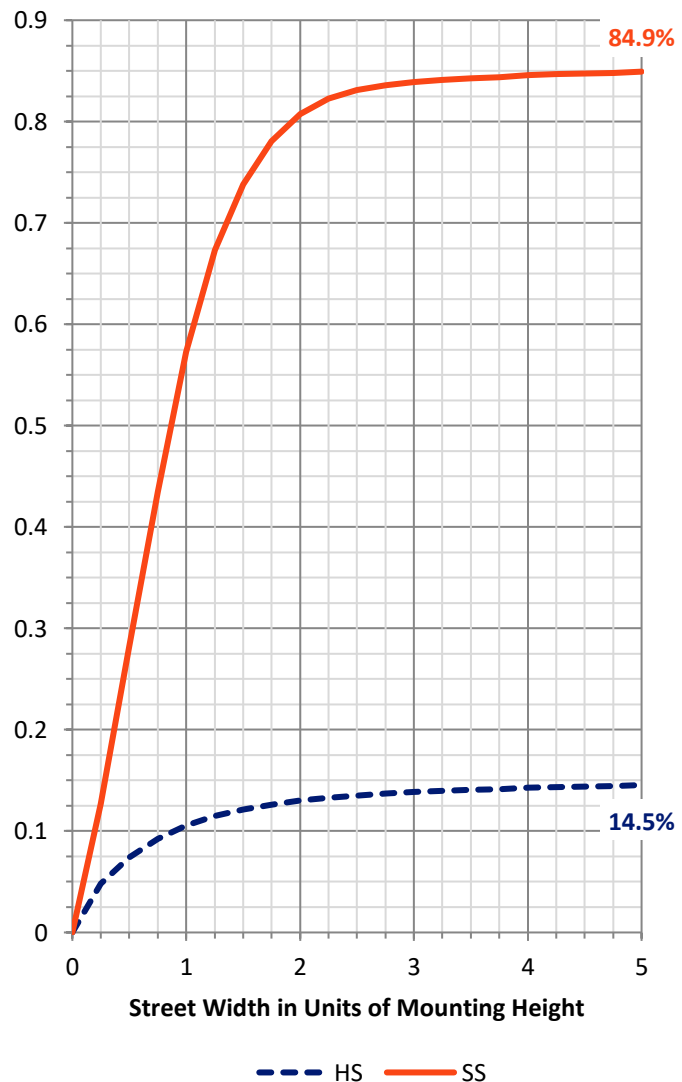
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1211.6	0.0	1211.6
	% Fixture	14.8	0.0	14.8
Street Side	Lumens	6977.5	0.0	6977.5
	% Fixture	85.2	0.0	85.2
Total	Lumens	8189.0	0.0	8189.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.7	0.9
10°-20°	313.7	3.8
20°-30°	595.0	7.3
30°-40°	1007.2	12.3
40°-50°	1451.3	17.7
50°-60°	1668.4	20.4
60°-70°	1677.8	20.5
70°-80°	1207.5	14.7
80°-90°	194.4	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°	8189.0	100.0
0°-180°	8189.0	100.0

Coefficient of Utilization

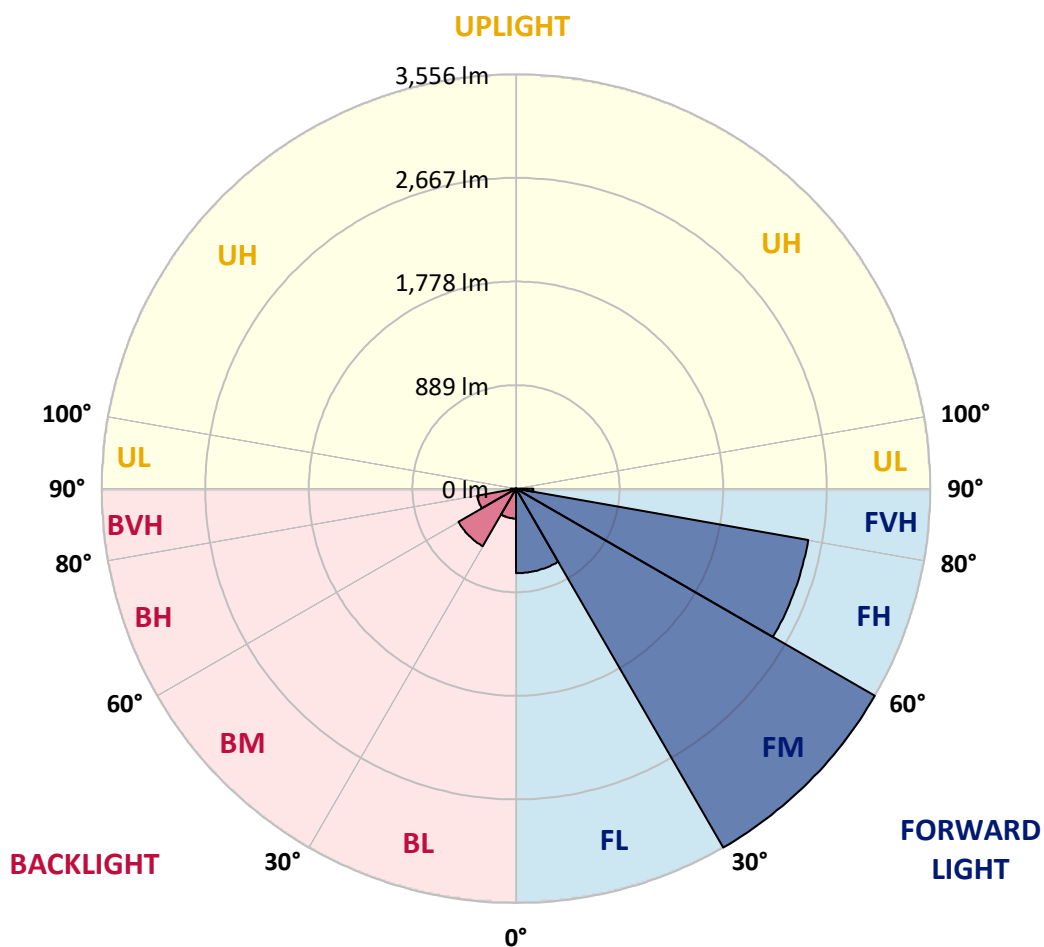


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	725.5	8.9			
FM (30°-60°)	3556.4	43.4			
FH (60°-80°)	2546.9	31.1			G2/5000
FVH (80°-90°)	148.7	1.8			G2/225
BL (0°-30°)	256.9	3.1	B1/500		
BM (30°-60°)	570.6	7.0	B1/1000		
BH (60°-80°)	338.4	4.1	B1/500		G1/500
BVH (80°-90°)	45.7	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°	508.8	508.8	508.8	508.8	508.8	508.8	508.8	508.8	508.8	508.8	508.8
2.5°	741.1	717.1	701.1	685.0	657.0	641.0	608.9	560.8	540.8	540.8	524.8
5°	1173.8	1133.7	1125.7	1089.6	1041.6	961.5	829.3	713.1	628.9	600.9	556.8
7.5°	1346.0	1366.1	1354.0	1338.0	1302.0	1237.9	1157.7	953.4	757.1	717.1	620.9
10°	1510.3	1546.3	1530.3	1502.3	1514.3	1438.2	1354.0	1209.8	933.4	853.3	705.1
12.5°	1642.5	1650.5	1678.5	1686.5	1710.6	1654.5	1570.4	1402.1	1137.7	1017.5	797.2
15°	1754.6	1734.6	1790.7	1838.8	1858.8	1842.8	1734.6	1554.3	1326.0	1221.8	909.4
17.5°	1738.6	1726.6	1766.7	1878.8	1946.9	1991.0	1918.9	1726.6	1478.2	1382.1	1041.6
20°	1638.5	1670.5	1722.6	1834.8	1950.9	2079.1	2087.1	1874.8	1602.4	1518.3	1181.8
22.5°	1662.5	1654.5	1702.6	1806.7	1959.0	2083.1	2179.3	2055.1	1722.6	1634.5	1298.0
25°	1726.6	1730.6	1786.7	1862.8	1979.0	2123.2	2247.4	2179.3	1842.8	1766.7	1422.1
27.5°	1950.9	1934.9	1926.9	1946.9	2039.1	2195.3	2307.5	2291.5	1971.0	1902.9	1562.4
30°	2443.7	2367.6	2243.4	2131.2	2123.2	2263.4	2339.5	2371.6	2111.2	1991.0	1654.5
32.5°	2968.5	2976.5	2804.2	2515.8	2235.4	2367.6	2443.7	2407.6	2267.4	2155.3	1758.7
35°	3244.9	3244.9	3212.8	2992.5	2603.9	2479.7	2495.8	2455.7	2395.6	2291.5	1886.8
37.5°	3513.3	3497.3	3381.1	3248.9	2996.5	2676.0	2660.0	2511.8	2507.8	2443.7	1991.0
40°	3725.6	3669.5	3609.4	3449.2	3285.0	2996.5	2776.2	2648.0	2648.0	2591.9	2091.2
42.5°	3789.7	3769.7	3681.6	3565.4	3445.2	3276.9	3000.5	2780.2	2836.3	2812.2	2251.4
45°	3741.6	3689.6	3617.5	3581.4	3533.3	3433.2	3281.0	2928.4	3012.5	2968.5	2411.6
47.5°	3529.3	3537.3	3473.2	3581.4	3589.4	3517.3	3601.4	3128.7	3196.8	3240.9	2579.9
50°	3228.9	3224.9	3272.9	3477.2	3529.3	3613.5	3765.7	3385.1	3433.2	3481.3	2800.2
52.5°	2736.1	2744.1	2912.4	3124.7	3421.2	3605.4	3978.0	3669.5	3733.6	3777.7	3088.7
55°	2331.5	2335.5	2451.7	2756.2	3184.8	3549.4	3982.0	3962.0	4118.2	4190.3	3385.1
57.5°	2179.3	2191.3	2219.3	2423.7	2808.2	3449.2	4082.2	4170.3	4362.6	4510.8	3641.5
60°	1983.0	1963.0	2047.1	2223.4	2527.8	3248.9	4078.2	4314.5	4651.0	4807.3	3982.0
62.5°	1622.4	1606.4	1714.6	1983.0	2367.6	2928.4	4118.2	4562.9	4987.5	5259.9	4318.5
65°	1093.7	1069.6	1209.8	1522.3	2019.0	2724.1	4094.2	4735.1	5456.2	5752.7	4807.3
67.5°	576.9	572.9	689.0	989.5	1534.3	2383.6	3833.8	5011.6	6037.1	6385.6	5352.1
70°	316.5	316.5	364.6	504.8	901.4	1794.7	3425.2	5019.6	6602.0	7074.7	5716.6
72.5°	264.4	268.4	276.4	296.4	448.7	1093.7	2563.9	4627.0	7162.8	7623.5	5876.9
75°	232.4	232.4	236.4	240.4	276.4	544.8	1634.5	4010.1	7415.2	7507.3	5424.2
77.5°	196.3	192.3	196.3	200.3	220.3	348.5	785.2	3048.6	6577.9	6313.5	3749.7
80°	160.2	164.2	164.2	164.2	184.3	268.4	316.5	1894.9	4030.1	3533.3	1678.5
82.5°	116.2	120.2	128.2	132.2	164.2	184.3	168.3	869.3	1490.2	1161.8	484.7
85°	52.1	56.1	84.1	84.1	120.2	88.1	92.1	312.5	468.7	400.6	144.2
87.5°	4.0	4.0	32.0	32.0	48.1	28.0	36.1	92.1	160.2	152.2	40.1
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°	508.8	508.8	508.8	508.8	508.8	508.8	508.8	508.8	508.8	508.8	508.8
2.5°	516.8	512.8	500.8	500.8	492.7	492.7	488.7	488.7	488.7	480.7	476.7
5°	540.8	528.8	516.8	504.8	500.8	496.7	500.8	504.8	500.8	492.7	492.7
7.5°	580.9	556.8	536.8	520.8	520.8	516.8	516.8	516.8	516.8	520.8	516.8
10°	628.9	596.9	556.8	544.8	536.8	544.8	540.8	536.8	536.8	536.8	536.8
12.5°	689.0	645.0	584.9	572.9	572.9	564.9	560.8	564.9	556.8	544.8	552.8
15°	765.2	701.1	628.9	612.9	600.9	588.9	576.9	568.9	568.9	556.8	564.9
17.5°	861.3	753.1	673.0	641.0	633.0	608.9	588.9	576.9	564.9	560.8	560.8
20°	949.4	813.2	701.1	669.0	637.0	612.9	592.9	568.9	552.8	544.8	548.8
22.5°	1037.6	869.3	741.1	681.0	633.0	600.9	576.9	556.8	540.8	528.8	528.8
25°	1125.7	917.4	757.1	681.0	628.9	584.9	556.8	540.8	520.8	504.8	504.8
27.5°	1209.8	969.5	765.2	669.0	604.9	564.9	532.8	516.8	496.7	480.7	480.7
30°	1306.0	1001.5	753.1	645.0	576.9	536.8	512.8	488.7	476.7	456.7	456.7
32.5°	1362.1	1017.5	737.1	608.9	548.8	512.8	488.7	472.7	460.7	448.7	440.7
35°	1422.1	1017.5	705.1	568.9	516.8	484.7	476.7	468.7	460.7	432.7	424.6
37.5°	1474.2	997.5	653.0	532.8	488.7	472.7	476.7	468.7	448.7	416.6	408.6
40°	1534.3	973.5	596.9	492.7	456.7	472.7	488.7	456.7	400.6	380.6	372.6
42.5°	1606.4	953.4	544.8	460.7	444.7	472.7	484.7	416.6	388.6	360.5	360.5
45°	1662.5	913.4	500.8	432.7	432.7	456.7	464.7	400.6	380.6	356.5	356.5
47.5°	1746.6	861.3	464.7	408.6	420.6	436.7	412.6	396.6	368.6	352.5	348.5
50°	1878.8	805.2	432.7	388.6	408.6	424.6	388.6	380.6	356.5	336.5	336.5
52.5°	1991.0	749.1	412.6	384.6	400.6	400.6	372.6	356.5	344.5	324.5	316.5
55°	2083.1	673.0	380.6	372.6	400.6	356.5	348.5	344.5	340.5	312.5	308.5
57.5°	2147.2	604.9	368.6	376.6	392.6	340.5	340.5	336.5	324.5	308.5	304.5
60°	2151.2	564.9	364.6	376.6	384.6	324.5	332.5	328.5	316.5	308.5	304.5
62.5°	2171.3	536.8	360.5	372.6	368.6	304.5	316.5	320.5	304.5	300.5	300.5
65°	2239.4	512.8	360.5	380.6	336.5	296.4	300.5	300.5	292.4	296.4	296.4
67.5°	2291.5	488.7	352.5	392.6	316.5	284.4	288.4	284.4	280.4	288.4	288.4
70°	2171.3	444.7	328.5	380.6	312.5	268.4	268.4	268.4	260.4	280.4	276.4
72.5°	1906.9	400.6	288.4	352.5	308.5	252.4	252.4	244.4	240.4	264.4	248.4
75°	1430.2	332.5	236.4	284.4	292.4	244.4	232.4	220.3	204.3	208.3	200.3
77.5°	849.3	252.4	184.3	216.3	244.4	236.4	216.3	192.3	168.3	168.3	164.2
80°	424.6	168.3	144.2	164.2	180.3	228.3	188.3	160.2	132.2	132.2	124.2
82.5°	208.3	108.2	100.2	124.2	112.2	204.3	160.2	124.2	96.1	128.2	136.2
85°	92.1	68.1	64.1	76.1	64.1	140.2	120.2	76.1	84.1	88.1	64.1
87.5°	28.0	28.0	24.0	20.0	20.0	36.1	60.1	20.0	56.1	12.0	8.0
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)