

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: P565291

Luminaire Tested: **IFLD-L-SA7A-AMB-U-T4FT**

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565291
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-T4FT
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square
Luminaire w/ T4FT distribution lens
Light Source: (112) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

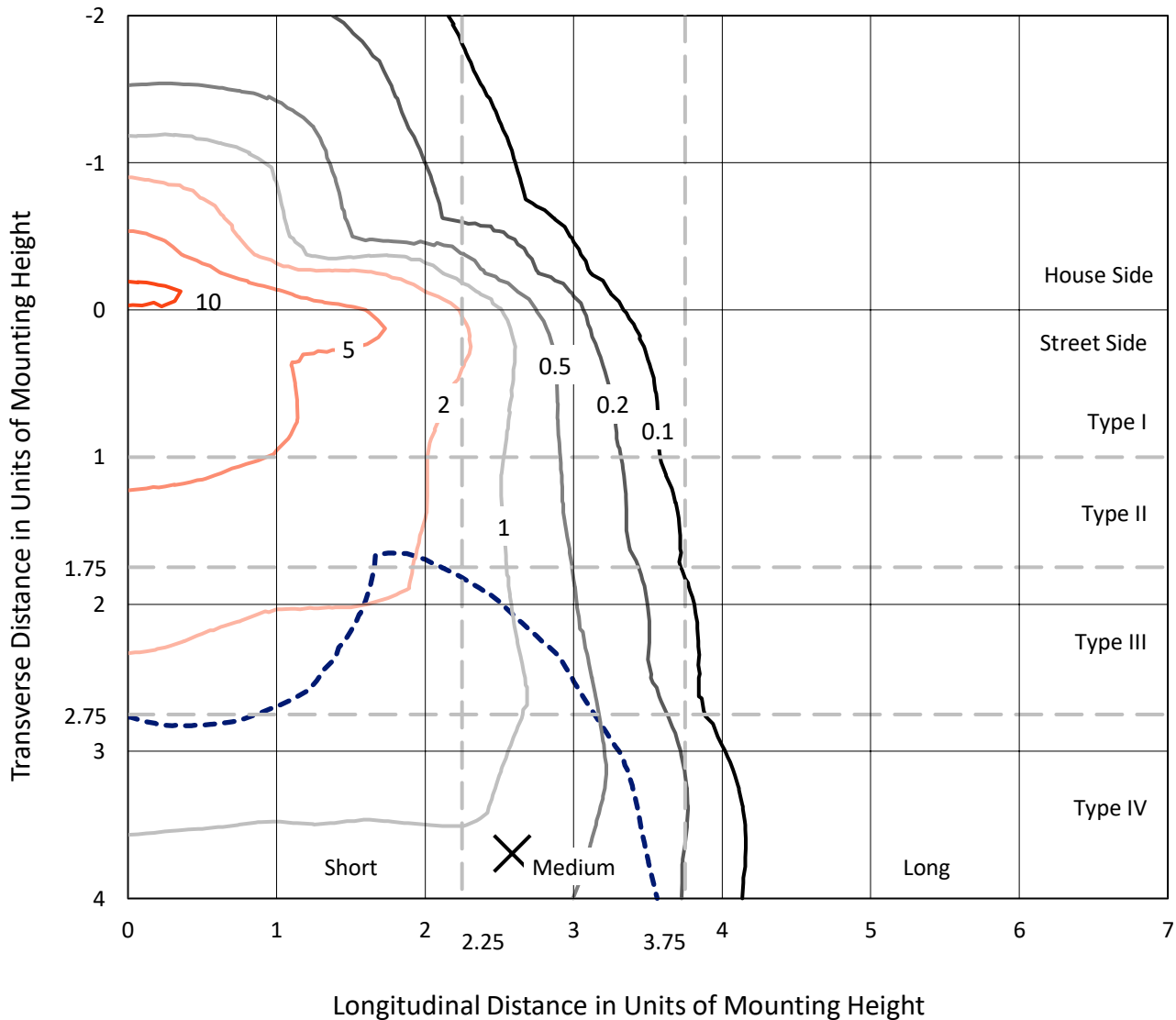
Lumens per Lamp: N/A
Luminaire Lumens: 7623 lumens
Efficiency: N/A
Efficacy: 54.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

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

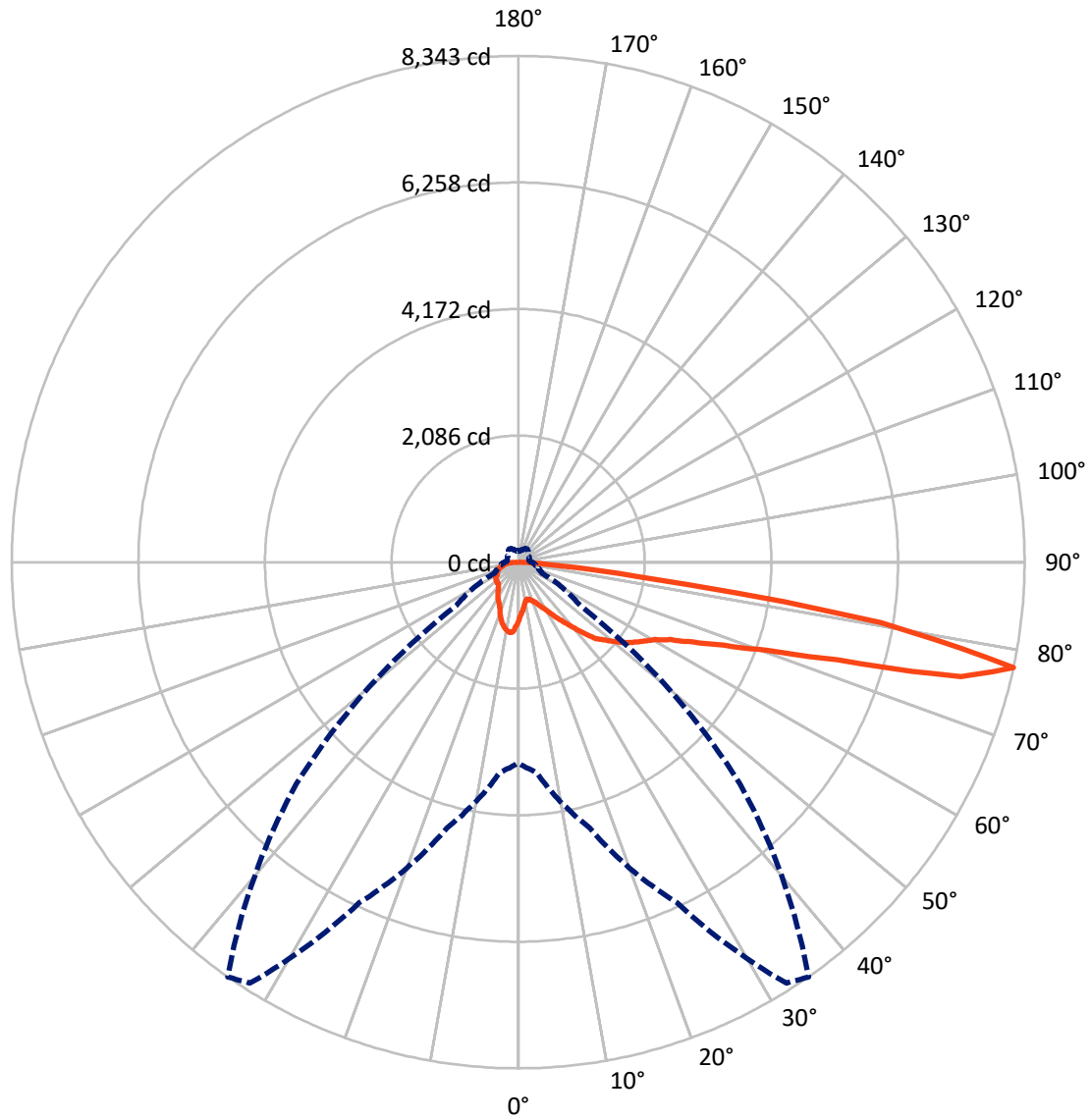
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 77.5-Deg Vertical

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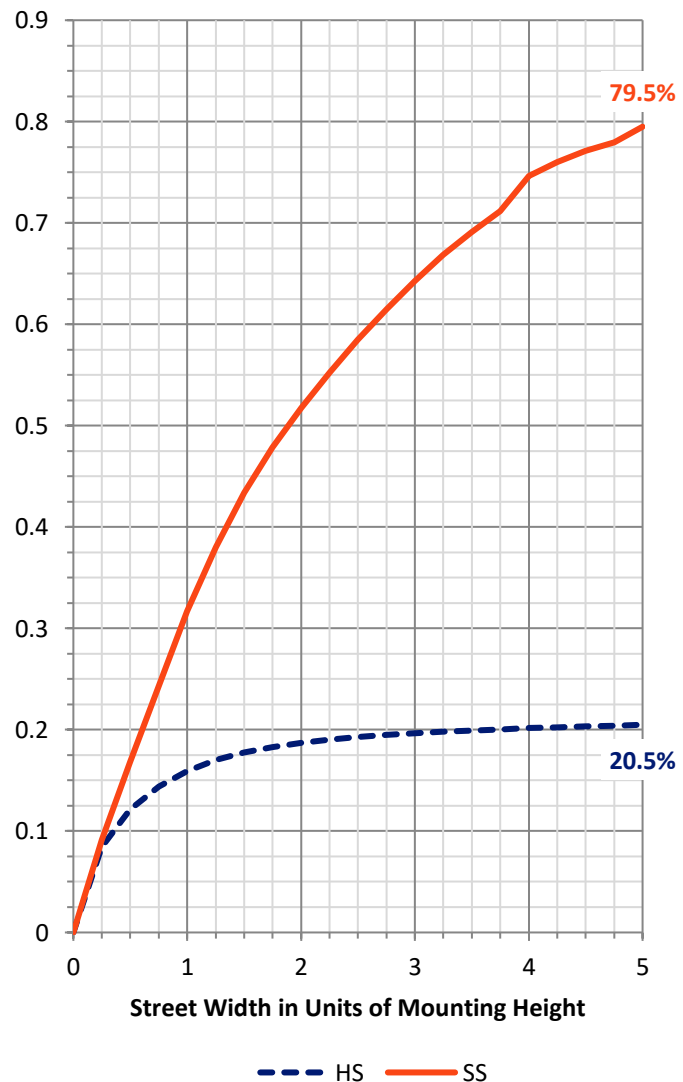
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1591.1	0.0	1591.1
	% Fixture	20.9	0.0	20.9
Street Side	Lumens	6031.8	0.0	6031.8
	% Fixture	79.1	0.0	79.1
Total	Lumens	7623.0	0.0	7623.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.2	1.2
10°-20°	257.2	3.4
20°-30°	418.0	5.5
30°-40°	623.1	8.2
40°-50°	926.4	12.2
50°-60°	1350.4	17.7
60°-70°	1798.9	23.6
70°-80°	1896.7	24.9
80°-90°	261.2	3.4
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°	7623.0	100.0
0°-180°	7623.0	100.0

Coefficient of Utilization

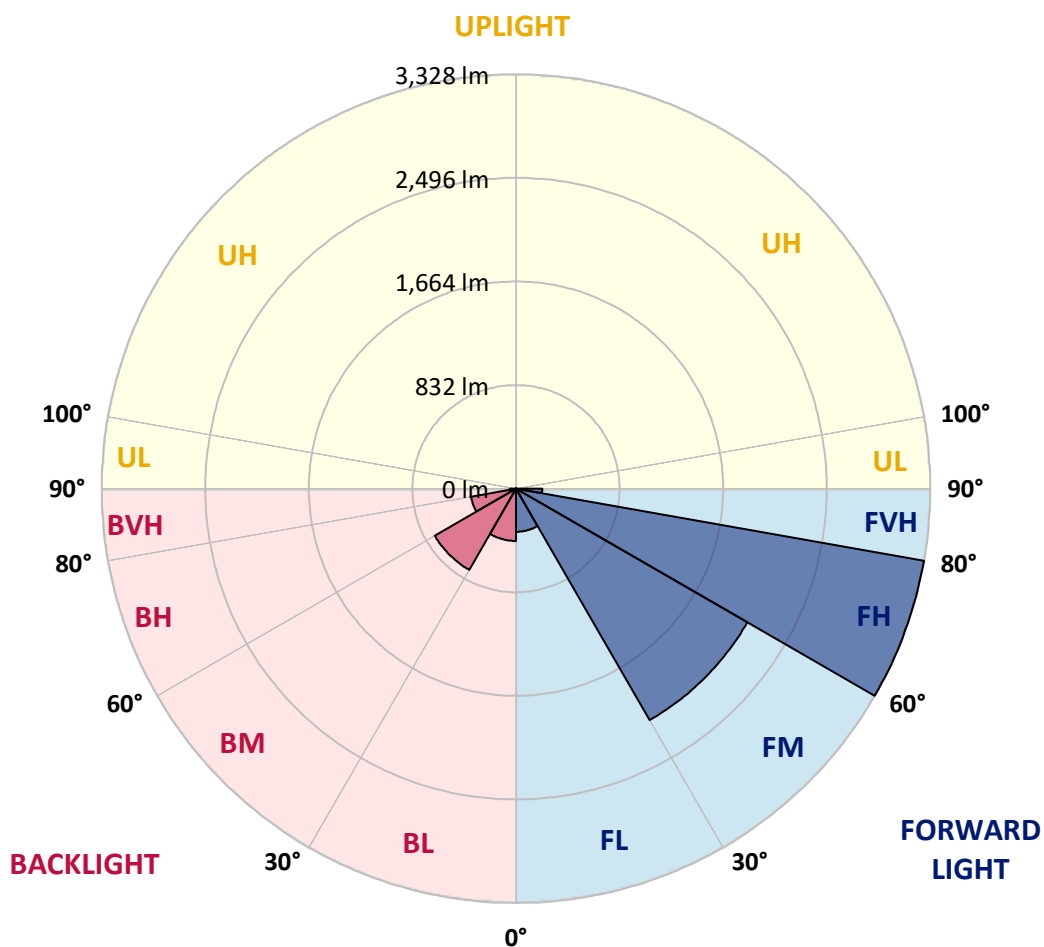


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	346.5	4.5			
FM (30°-60°)	2146.4	28.2			
FH (60°-80°)	3328.3	43.7			G2/5000
FVH (80°-90°)	210.7	2.8			G2/225
BL (0°-30°)	419.9	5.5	B1/500		
BM (30°-60°)	753.4	9.9	B1/1000		
BH (60°-80°)	367.3	4.8	B1/500		G1/500
BVH (80°-90°)	50.5	0.7			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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	32.5°	35°	45°	55°	65°	75°	85°
0°	960.5	960.5	960.5	960.5	960.5	960.5	960.5	960.5	960.5	960.5	960.5
2.5°	856.3	848.6	852.5	864.0	867.9	867.9	883.3	898.8	918.0	929.6	960.5
5°	744.5	756.0	756.0	783.0	798.5	794.6	810.0	848.6	875.6	918.0	960.5
7.5°	651.9	659.6	663.5	686.6	705.9	717.5	752.2	798.5	840.9	898.8	952.8
10°	605.6	601.7	605.6	617.2	640.3	655.7	698.2	756.0	817.8	891.0	960.5
12.5°	594.0	601.7	590.2	597.9	613.3	624.9	663.5	736.8	798.5	887.2	987.5
15°	628.7	628.7	605.6	613.3	624.9	632.6	671.2	729.0	802.3	894.9	1014.5
17.5°	671.2	671.2	640.3	636.5	644.2	659.6	690.5	732.9	806.2	902.6	1022.2
20°	729.0	721.3	675.0	663.5	675.0	678.9	717.5	763.8	821.6	914.2	1053.1
22.5°	798.5	783.0	717.5	702.0	713.6	721.3	756.0	790.8	825.5	906.5	1076.2
25°	879.5	860.2	790.8	767.6	775.3	775.3	790.8	825.5	840.9	914.2	1103.2
27.5°	968.2	952.8	894.9	844.8	833.2	840.9	848.6	864.0	883.3	952.8	1157.2
30°	1087.8	1083.9	1018.3	941.2	929.6	921.9	910.3	925.8	933.5	983.6	1226.6
32.5°	1211.2	1191.9	1137.9	1060.8	1041.5	1026.1	999.0	1018.3	1006.8	1029.9	1284.5
35°	1303.8	1284.5	1242.1	1199.6	1168.8	1149.5	1103.2	1122.5	1087.8	1076.2	1377.1
37.5°	1427.2	1431.1	1396.4	1342.4	1288.3	1280.6	1230.5	1222.8	1176.5	1161.1	1504.4
40°	1554.5	1569.9	1519.8	1500.5	1427.2	1427.2	1404.1	1373.2	1296.1	1245.9	1643.2
42.5°	1755.1	1697.2	1647.1	1643.2	1631.7	1612.4	1596.9	1539.1	1423.4	1361.6	1859.2
45°	1878.5	1832.2	1755.1	1762.8	1789.8	1797.5	1805.2	1731.9	1554.5	1485.1	2040.5
47.5°	1901.7	1905.5	1859.2	1882.4	1878.5	1921.0	2025.1	1909.4	1735.8	1639.4	2202.5
50°	1948.0	1928.7	1959.5	2017.4	2036.7	2059.8	2233.4	2125.4	1932.5	1809.1	2441.7
52.5°	2025.1	2002.0	2036.7	2125.4	2175.5	2202.5	2391.5	2318.3	2137.0	1998.1	2800.4
55°	2063.7	2052.1	2106.1	2194.8	2299.0	2329.8	2542.0	2584.4	2383.8	2229.5	3251.7
57.5°	2094.5	2094.5	2237.3	2326.0	2422.4	2449.4	2711.7	2831.3	2561.3	2549.7	3749.3
60°	2233.4	2198.7	2353.0	2434.0	2542.0	2592.1	3020.3	3116.7	2711.7	2788.9	4142.8
62.5°	2453.3	2418.5	2461.0	2615.3	2758.0	2812.0	3367.5	3317.3	2839.0	2981.7	4185.2
65°	2881.4	2831.3	2769.6	2827.4	3016.4	3170.7	3760.9	3525.6	2912.3	2950.9	3876.6
67.5°	3429.2	3413.7	3267.2	3190.0	3533.3	3652.9	4235.4	3710.8	2808.1	2707.8	2981.7
70°	4108.1	3984.6	3834.2	3853.5	4254.6	4351.1	4759.9	3602.7	2557.4	2133.1	1739.7
72.5°	4786.9	4686.7	4671.2	4829.4	5400.3	5496.7	5473.6	3475.5	2025.1	1211.2	702.0
75°	5192.0	5141.8	5330.8	6148.6	7344.4	7537.2	6156.3	2781.1	1064.6	501.5	351.0
77.5°	3309.6	3479.3	4532.4	6194.9	8227.7	8343.4	5165.0	1242.1	435.9	320.2	262.3
80°	559.3	617.2	1103.2	3085.9	5882.4	6056.0	2252.7	412.7	289.3	262.3	208.3
82.5°	173.6	181.3	297.0	690.5	1774.4	1978.8	489.9	243.0	219.9	200.6	150.4
85°	73.3	77.1	138.9	223.7	389.6	420.4	165.9	142.7	158.2	131.1	88.7
87.5°	23.1	27.0	57.9	88.7	146.6	146.6	65.6	61.7	81.0	69.4	38.6
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°	960.5	960.5	960.5	960.5	960.5	960.5	960.5	960.5	960.5	960.5	960.5
2.5°	975.9	983.6	995.2	1026.1	1033.8	1060.8	1060.8	1064.6	1080.1	1064.6	1087.8
5°	972.0	1010.6	1045.3	1087.8	1107.1	1134.1	1153.3	1137.9	1149.5	1145.6	1164.9
7.5°	979.8	1029.9	1099.3	1134.1	1168.8	1172.6	1168.8	1145.6	1145.6	1137.9	1153.3
10°	1010.6	1068.5	1134.1	1176.5	1176.5	1161.1	1141.8	1110.9	1107.1	1091.6	1103.2
12.5°	1056.9	1095.5	1195.8	1203.5	1164.9	1149.5	1095.5	1060.8	1056.9	1010.6	1022.2
15°	1076.2	1134.1	1218.9	1203.5	1168.8	1110.9	1041.5	1002.9	956.6	929.6	941.2
17.5°	1110.9	1176.5	1245.9	1195.8	1137.9	1064.6	972.0	914.2	871.8	840.9	848.6
20°	1130.2	1230.5	1245.9	1184.2	1107.1	983.6	894.9	825.5	794.6	771.5	771.5
22.5°	1168.8	1269.1	1261.3	1161.1	1056.9	914.2	806.2	767.6	756.0	752.2	748.3
25°	1245.9	1311.5	1242.1	1122.5	956.6	817.8	756.0	740.6	748.3	744.5	748.3
27.5°	1315.4	1357.8	1238.2	1053.1	840.9	721.3	713.6	732.9	732.9	736.8	736.8
30°	1369.4	1404.1	1211.2	948.9	705.9	655.7	678.9	705.9	721.3	721.3	717.5
32.5°	1454.2	1446.5	1168.8	833.2	617.2	605.6	632.6	675.0	698.2	698.2	694.3
35°	1542.9	1512.1	1114.8	713.6	563.2	567.0	582.5	621.0	644.2	659.6	659.6
37.5°	1674.1	1566.1	1060.8	594.0	528.5	524.6	543.9	567.0	582.5	586.3	594.0
40°	1824.5	1662.5	948.9	524.6	501.5	501.5	516.9	520.7	516.9	513.0	524.6
42.5°	2013.5	1720.4	810.0	466.7	474.5	482.2	489.9	478.3	470.6	466.7	470.6
45°	2113.8	1743.5	675.0	432.0	439.7	478.3	478.3	470.6	451.3	428.2	420.4
47.5°	2198.7	1720.4	551.6	393.4	424.3	482.2	478.3	455.2	428.2	393.4	389.6
50°	2337.5	1731.9	462.9	370.3	416.6	489.9	470.6	432.0	408.9	366.4	366.4
52.5°	2542.0	1832.2	405.0	351.0	412.7	489.9	466.7	416.6	381.9	343.3	343.3
55°	2927.7	2002.0	354.9	339.4	401.2	478.3	455.2	401.2	347.2	312.4	312.4
57.5°	3305.7	2187.1	335.6	331.7	385.7	447.5	435.9	370.3	327.9	308.6	297.0
60°	3602.7	2175.5	312.4	320.2	358.7	420.4	401.2	347.2	312.4	297.0	293.2
62.5°	3587.3	1948.0	304.7	308.6	335.6	389.6	385.7	331.7	304.7	285.4	285.4
65°	3193.9	1500.5	285.4	297.0	312.4	366.4	378.0	324.0	289.3	281.6	277.7
67.5°	2337.5	948.9	273.9	281.6	293.2	343.3	366.4	308.6	277.7	270.0	270.0
70°	1245.9	532.3	258.4	266.2	277.7	324.0	347.2	300.9	258.4	262.3	258.4
72.5°	486.0	312.4	235.3	250.7	250.7	293.2	320.2	281.6	243.0	231.4	219.9
75°	285.4	235.3	208.3	219.9	227.6	262.3	289.3	258.4	219.9	200.6	192.9
77.5°	223.7	189.0	181.3	200.6	200.6	235.3	262.3	239.2	204.4	185.2	177.4
80°	173.6	146.6	154.3	169.7	169.7	219.9	246.9	208.3	169.7	154.3	146.6
82.5°	123.4	108.0	123.4	135.0	127.3	177.4	216.0	169.7	135.0	123.4	96.4
85°	69.4	69.4	88.7	84.9	84.9	111.9	146.6	111.9	81.0	65.6	61.7
87.5°	27.0	30.9	38.6	34.7	34.7	54.0	65.6	42.4	34.7	27.0	19.3
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)