

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: P565270

Luminaire Tested: **IFLD-S-SA3A-AMB-U-T3**

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565270
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/02/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-AMB-U-T3
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square
Luminaire w/ T3 distribution lens
Light Source: (48) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

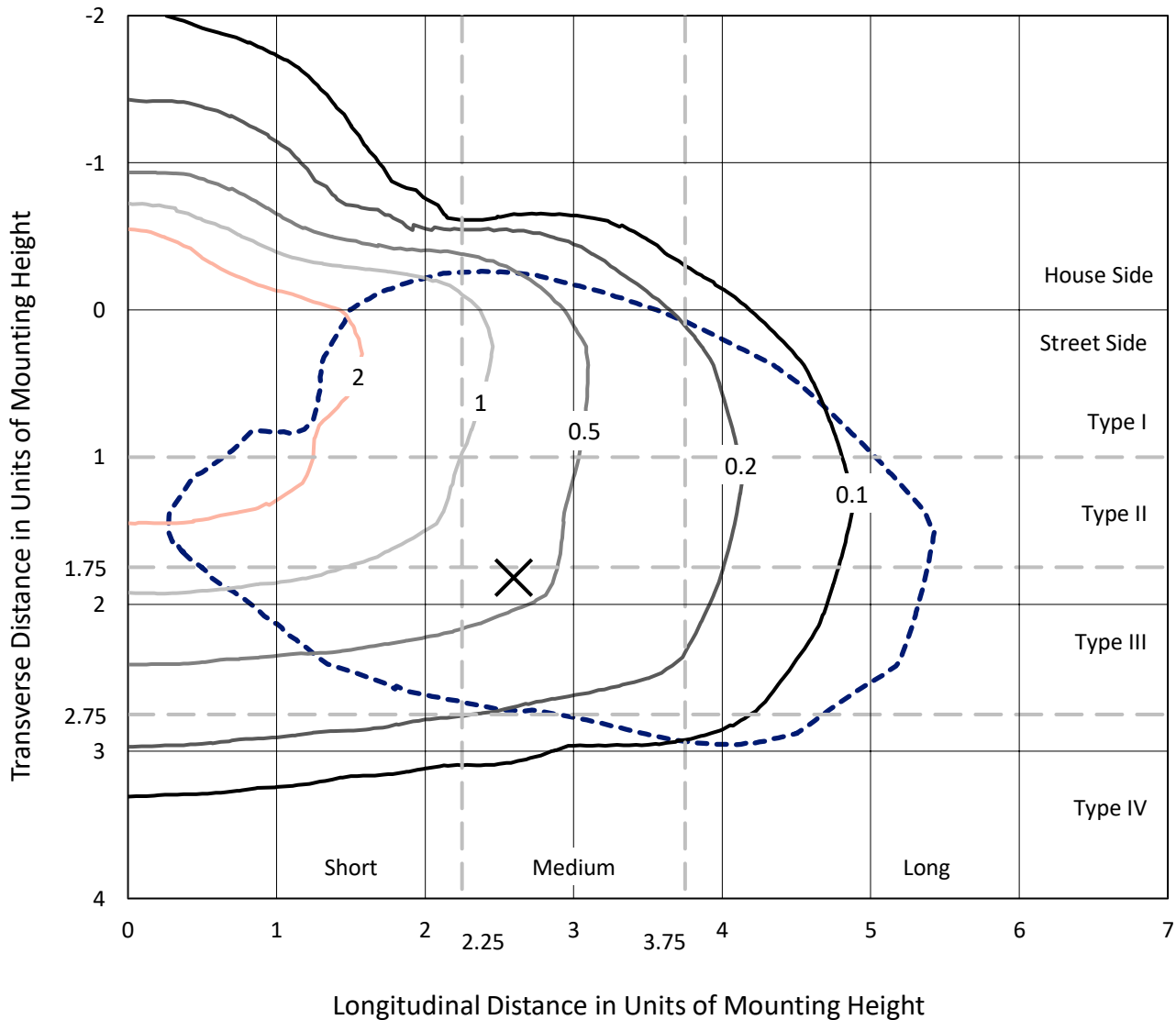
Lumens per Lamp: N/A
Luminaire Lumens: 3331.4 lumens
Efficiency: N/A
Efficacy: 54.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 61.2
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: P565270
 CATALOG NUMBER: IFLD-S-SA3A-AMB-U-T3

Iso-Footcandle Lines of Horizontal Illumination

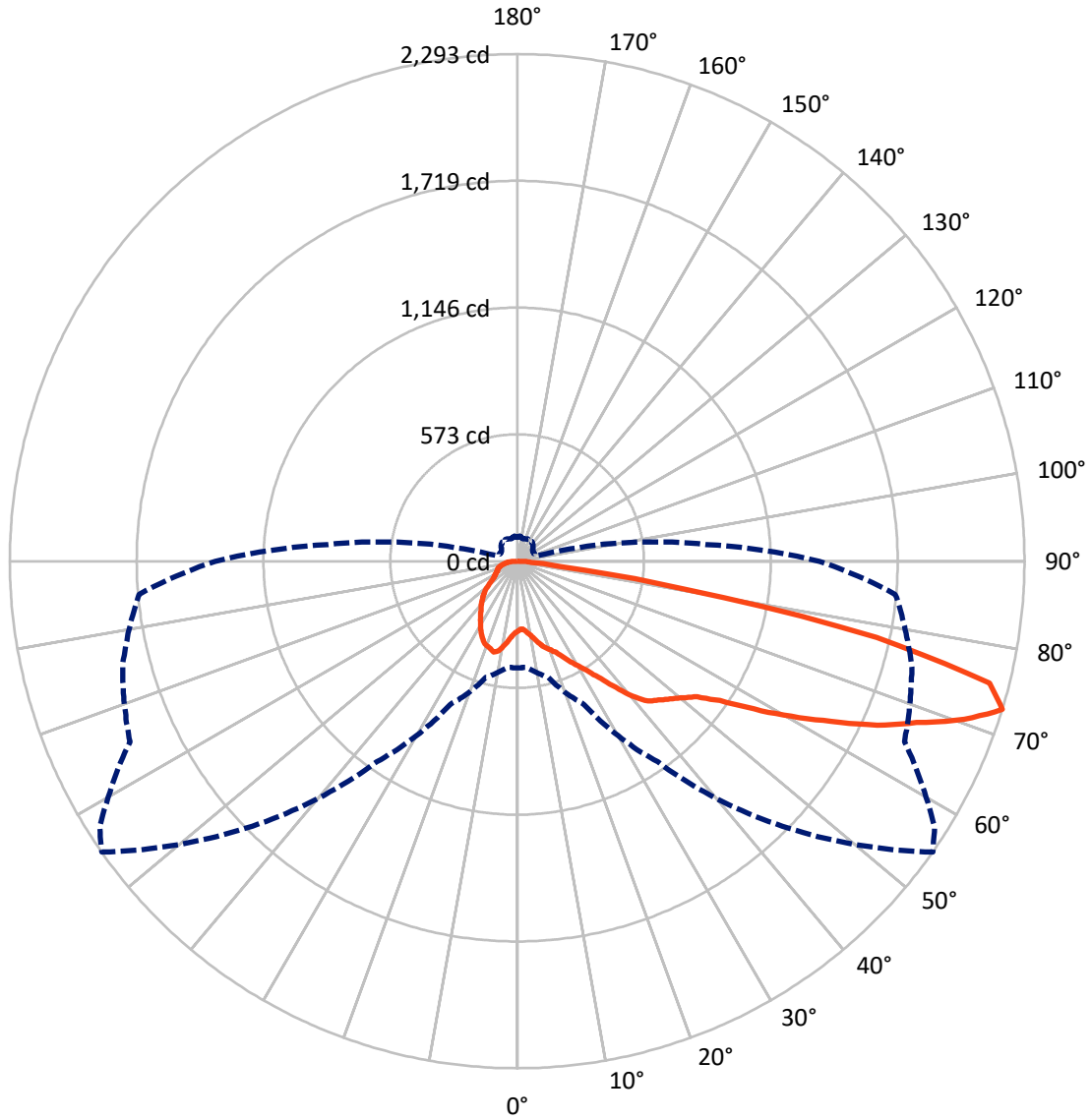
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.2 fc
 Type IV - Medium - N/A

REPORT NUMBER: P565270
CATALOG NUMBER: IFLD-S-SA3A-AMB-U-T3

Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P565270
 CATALOG NUMBER: IFLD-S-SA3A-AMB-U-T3

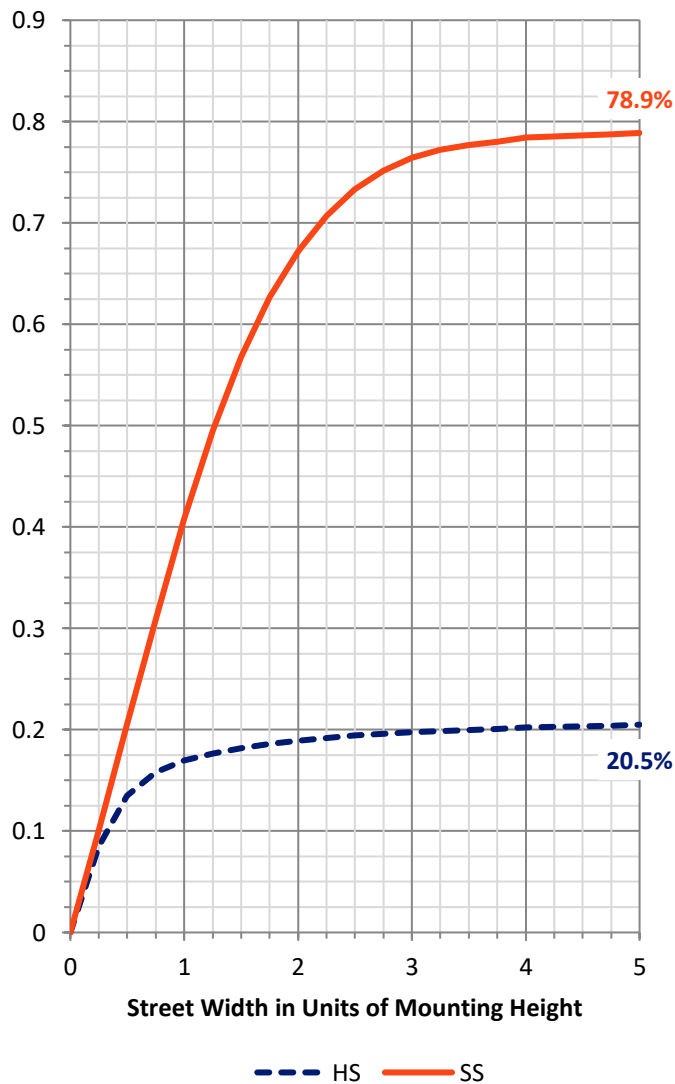
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	695.7	0.0	695.7
	% Fixture	20.9	0.0	20.9
Street Side	Lumens	2635.7	0.0	2635.7
	% Fixture	79.1	0.0	79.1
Total	Lumens	3331.4	0.0	3331.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.7	1.0
10°-20°	113.9	3.4
20°-30°	204.4	6.1
30°-40°	308.8	9.3
40°-50°	447.6	13.4
50°-60°	643.3	19.3
60°-70°	850.3	25.5
70°-80°	641.7	19.3
80°-90°	88.9	2.7
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°	3331.4	100.0
0°-180°	3331.4	100.0

Coefficient of Utilization

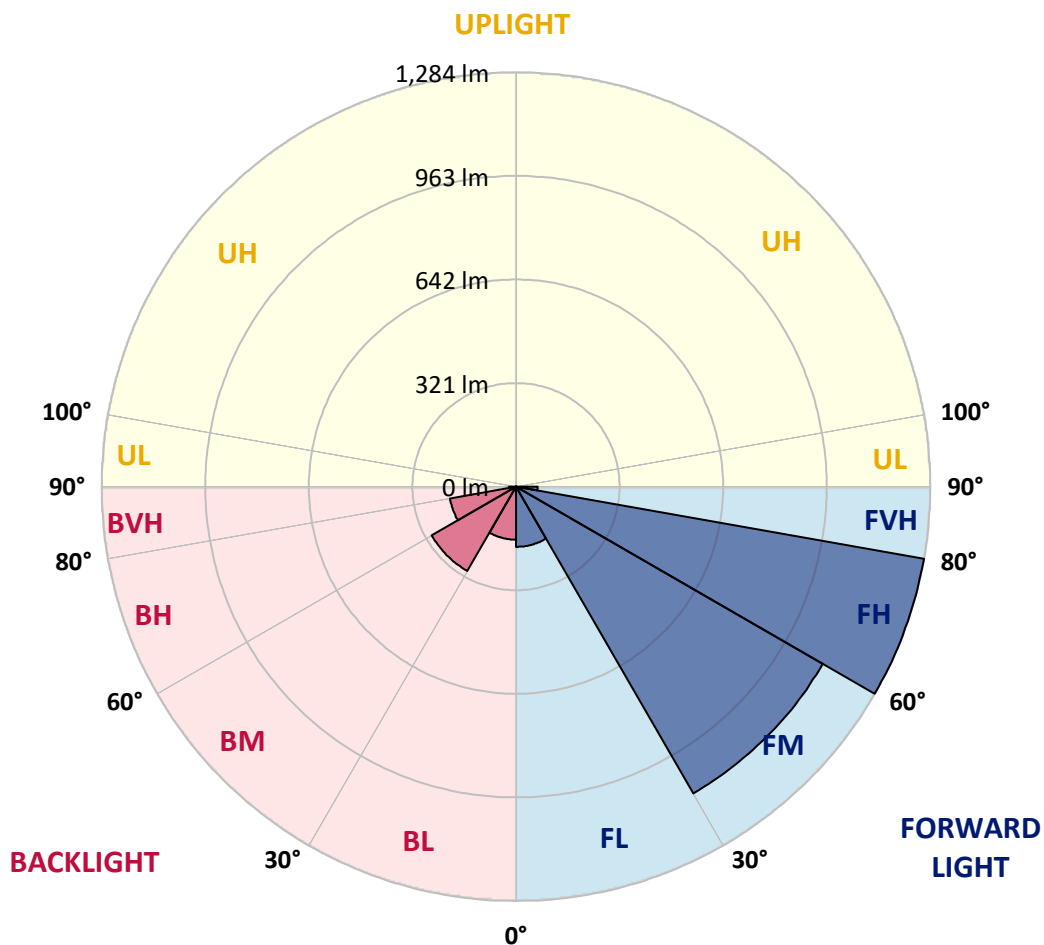


REPORT NUMBER: P565270
 CATALOG NUMBER: IFLD-S-SA3A-AMB-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	186.6	5.6			
FM (30°-60°)	1097.7	33.0			
FH (60°-80°)	1284.1	38.5			G1/1800
FVH (80°-90°)	67.3	2.0			G1/100
BL (0°-30°)	164.4	4.9	B1/500		
BM (30°-60°)	301.9	9.1	B1/1000		
BH (60°-80°)	207.9	6.2	B1/500		G1/500
BVH (80°-90°)	21.5	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-G1
 Type IV Medium





REPORT NUMBER: P565270
 CATALOG NUMBER: IFLD-S-SA3A-AMB-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57.5°	65°	75°	85°
0°	317.3	317.3	317.3	317.3	317.3	317.3	317.3	317.3	317.3	317.3	317.3
2.5°	298.6	303.7	303.7	303.7	305.4	307.1	307.1	308.8	315.6	313.9	319.0
5°	307.1	310.5	308.8	310.5	312.2	308.8	310.5	310.5	317.3	320.7	329.2
7.5°	317.3	322.4	319.0	325.8	324.1	324.1	325.8	324.1	324.1	329.2	342.8
10°	344.5	346.2	344.5	342.8	339.4	341.1	342.8	342.8	346.2	347.9	356.3
12.5°	366.5	369.9	371.6	364.8	361.4	361.4	364.8	364.8	371.6	373.3	378.4
15°	392.0	392.0	392.0	386.9	386.9	380.1	390.3	390.3	393.7	397.1	400.5
17.5°	414.0	410.6	410.6	402.2	402.2	403.9	410.6	410.6	419.1	419.1	424.2
20°	432.7	431.0	431.0	420.8	414.0	419.1	427.6	432.7	448.0	449.7	446.3
22.5°	463.2	464.9	463.2	444.6	437.8	434.4	448.0	451.4	476.8	480.2	470.0
25°	507.4	510.8	504.0	480.2	468.3	458.2	478.5	481.9	504.0	504.0	497.2
27.5°	548.1	554.9	544.7	526.0	505.7	493.8	515.8	520.9	546.4	544.7	510.8
30°	607.5	600.7	593.9	590.5	570.1	546.4	551.5	560.0	573.5	576.9	539.6
32.5°	694.0	678.7	665.2	649.9	631.2	609.2	595.6	599.0	619.4	597.3	556.6
35°	775.5	760.2	746.6	726.3	694.0	673.7	651.6	655.0	656.7	643.1	575.2
37.5°	838.3	829.8	824.7	792.4	768.7	739.8	724.6	724.6	702.5	658.4	607.5
40°	873.9	885.8	887.5	851.8	846.7	804.3	804.3	797.5	751.7	683.8	622.8
42.5°	901.0	909.5	923.1	906.1	906.1	887.5	865.4	850.1	780.6	722.9	665.2
45°	948.5	951.9	972.3	977.4	960.4	968.9	895.9	863.7	802.6	778.9	722.9
47.5°	1001.2	1006.2	1048.7	1058.8	1036.8	1043.6	929.9	884.1	850.1	850.1	794.1
50°	1045.3	1048.7	1106.4	1126.7	1136.9	1152.2	970.6	924.8	902.7	953.6	880.7
52.5°	1070.7	1069.0	1123.3	1174.2	1228.5	1257.4	1018.1	996.1	1006.2	1077.5	994.4
55°	1080.9	1097.9	1155.6	1203.1	1311.7	1326.9	1111.4	1091.1	1140.3	1228.5	1123.3
57.5°	1113.1	1087.7	1169.1	1233.6	1366.0	1410.1	1260.8	1240.4	1274.3	1357.5	1257.4
60°	1086.0	1080.9	1133.5	1252.3	1432.2	1484.8	1423.7	1413.5	1435.5	1478.0	1427.1
62.5°	1013.0	1033.4	1103.0	1230.2	1437.2	1584.9	1593.4	1610.3	1593.4	1644.3	1620.5
65°	941.8	953.6	1011.3	1175.9	1425.4	1642.6	1788.5	1795.3	1737.6	1774.9	1819.0
67.5°	889.2	894.2	953.6	1113.1	1391.4	1712.1	1946.3	1931.0	1846.2	1859.8	1895.4
70°	768.7	778.9	823.0	996.1	1333.7	1788.5	2144.8	2133.0	1910.7	1847.9	1869.9
72.5°	483.6	480.2	544.7	714.4	1108.1	1693.5	2292.5	2236.5	1931.0	1846.2	1715.5
75°	210.4	208.7	242.7	324.1	607.5	1252.3	2204.2	2238.2	1997.2	1854.7	1474.6
77.5°	74.7	74.7	89.9	123.9	218.9	522.6	1661.2	1812.3	1793.6	1656.1	1069.0
80°	45.8	45.8	59.4	71.3	91.6	142.5	768.7	919.7	1153.9	1113.1	582.0
82.5°	30.5	30.5	44.1	49.2	61.1	64.5	198.5	268.1	448.0	529.4	235.9
85°	27.1	25.5	30.5	32.2	39.0	33.9	62.8	71.3	144.2	196.8	59.4
87.5°	8.5	8.5	18.7	17.0	18.7	11.9	27.1	32.2	37.3	57.7	17.0
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: P565270
 CATALOG NUMBER: IFLD-S-SA3A-AMB-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	317.3	317.3	317.3	317.3	317.3	317.3	317.3	317.3	317.3	317.3	317.3
2.5°	325.8	320.7	327.5	327.5	325.8	330.9	334.3	334.3	332.6	334.3	334.3
5°	330.9	332.6	339.4	341.1	344.5	346.2	349.6	354.6	358.0	356.3	358.0
7.5°	342.8	346.2	354.6	359.7	368.2	371.6	373.3	378.4	381.8	378.4	376.7
10°	364.8	366.5	375.0	386.9	393.7	393.7	395.4	390.3	390.3	392.0	392.0
12.5°	381.8	393.7	403.9	410.6	415.7	408.9	400.5	398.8	390.3	395.4	397.1
15°	402.2	408.9	422.5	432.7	424.2	408.9	405.6	402.2	398.8	400.5	400.5
17.5°	427.6	429.3	446.3	437.8	414.0	408.9	405.6	407.2	403.9	403.9	400.5
20°	442.9	458.2	459.9	436.1	407.2	397.1	397.1	397.1	402.2	398.8	395.4
22.5°	463.2	468.3	468.3	417.4	398.8	388.6	388.6	388.6	385.2	380.1	381.8
25°	485.3	480.2	458.2	403.9	378.4	373.3	361.4	358.0	356.3	358.0	354.6
27.5°	510.8	498.9	453.1	385.2	359.7	349.6	334.3	322.4	315.6	315.6	313.9
30°	519.2	512.5	437.8	364.8	336.0	317.3	293.6	276.6	261.3	259.6	259.6
32.5°	537.9	519.2	427.6	354.6	313.9	278.3	249.4	232.5	224.0	225.7	229.1
35°	553.2	529.4	425.9	337.7	290.2	247.7	218.9	208.7	201.9	195.1	196.8
37.5°	578.6	544.7	419.1	327.5	271.5	224.0	200.2	188.4	176.5	166.3	166.3
40°	597.3	566.8	417.4	315.6	254.5	205.3	188.4	174.8	157.8	145.9	145.9
42.5°	631.2	587.1	408.9	302.0	235.9	195.1	174.8	159.5	137.4	125.6	125.6
45°	692.3	622.8	403.9	280.0	217.2	181.6	161.2	139.1	127.3	115.4	117.1
47.5°	758.5	677.0	402.2	264.7	198.5	166.3	139.1	130.7	118.8	110.3	110.3
50°	833.2	743.2	398.8	239.3	174.8	147.6	127.3	120.5	112.0	106.9	106.9
52.5°	931.6	787.3	395.4	212.1	149.3	130.7	122.2	115.4	110.3	105.2	105.2
55°	1057.1	880.7	390.3	173.1	130.7	125.6	117.1	112.0	110.3	103.5	105.2
57.5°	1204.8	967.2	371.6	142.5	120.5	120.5	117.1	115.4	113.7	106.9	106.9
60°	1372.8	1091.1	330.9	122.2	112.0	117.1	117.1	113.7	113.7	110.3	106.9
62.5°	1584.9	1225.1	242.7	112.0	105.2	108.6	113.7	110.3	108.6	112.0	110.3
65°	1730.8	1325.3	169.7	101.8	98.4	103.5	110.3	110.3	108.6	120.5	120.5
67.5°	1698.6	1274.3	127.3	93.3	95.0	100.1	115.4	117.1	110.3	127.3	127.3
70°	1601.8	1131.8	101.8	88.2	91.6	113.7	117.1	112.0	106.9	122.2	118.8
72.5°	1366.0	858.6	93.3	83.1	84.8	101.8	112.0	110.3	105.2	113.7	106.9
75°	1036.8	544.7	83.1	74.7	74.7	88.2	108.6	105.2	95.0	95.0	93.3
77.5°	648.2	273.2	67.9	67.9	66.2	76.4	98.4	96.7	84.8	83.1	81.4
80°	303.7	129.0	56.0	57.7	56.0	64.5	83.1	81.4	73.0	69.6	67.9
82.5°	123.9	64.5	49.2	50.9	45.8	52.6	69.6	67.9	61.1	59.4	52.6
85°	45.8	39.0	39.0	39.0	33.9	35.6	47.5	47.5	39.0	32.2	32.2
87.5°	17.0	20.4	23.8	25.5	15.3	15.3	23.8	25.5	18.7	11.9	11.9
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)