

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: P565338

Luminaire Tested: **IFLD-M-SA4A-AMB-U-SL3**

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565338
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/02/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-AMB-U-SL3
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square
Luminaire w/ SL3 distribution lens
Light Source: (48) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

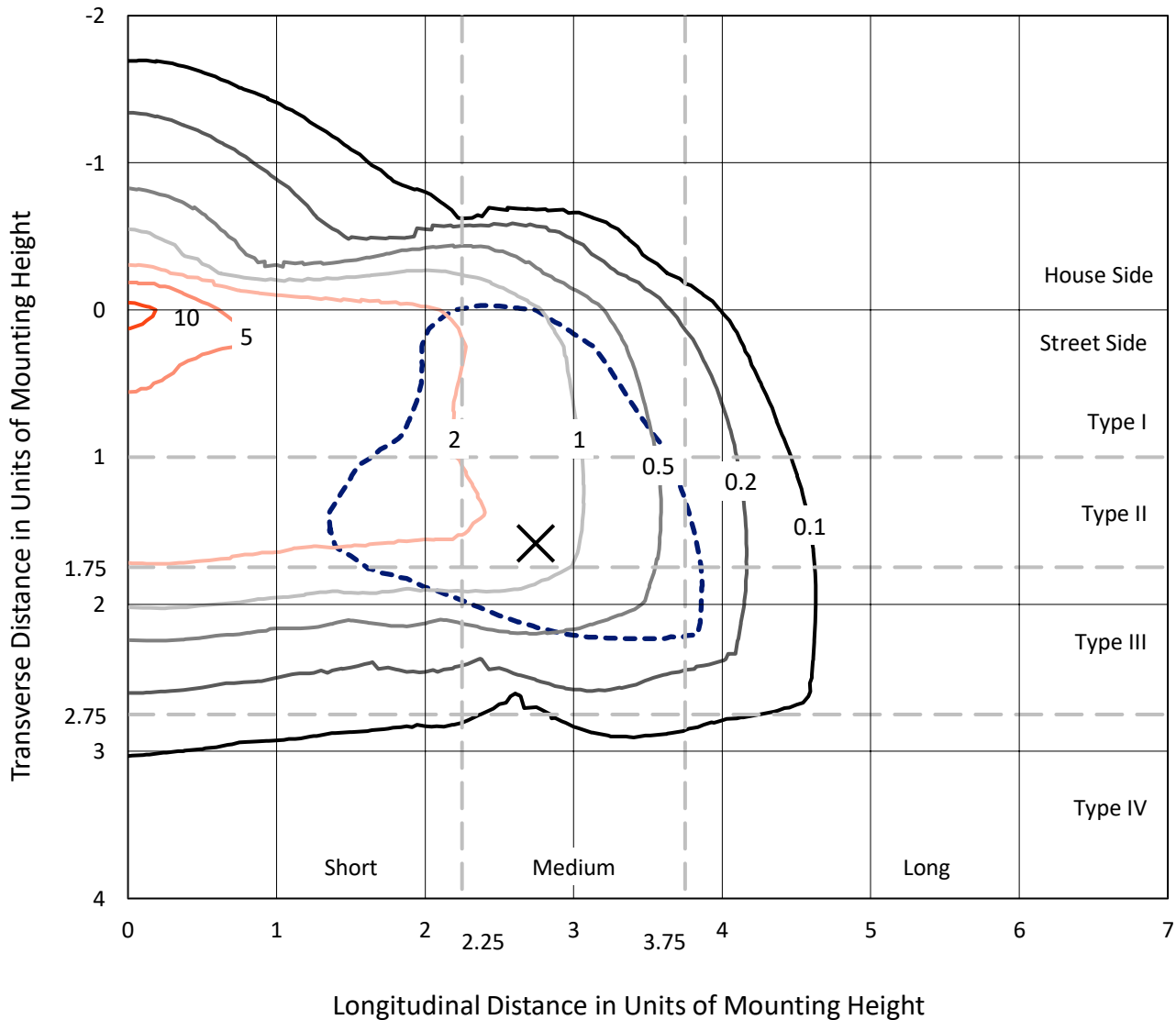
Lumens per Lamp: N/A
Luminaire Lumens: 4330.9 lumens
Efficiency: N/A
Efficacy: 52.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 83
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

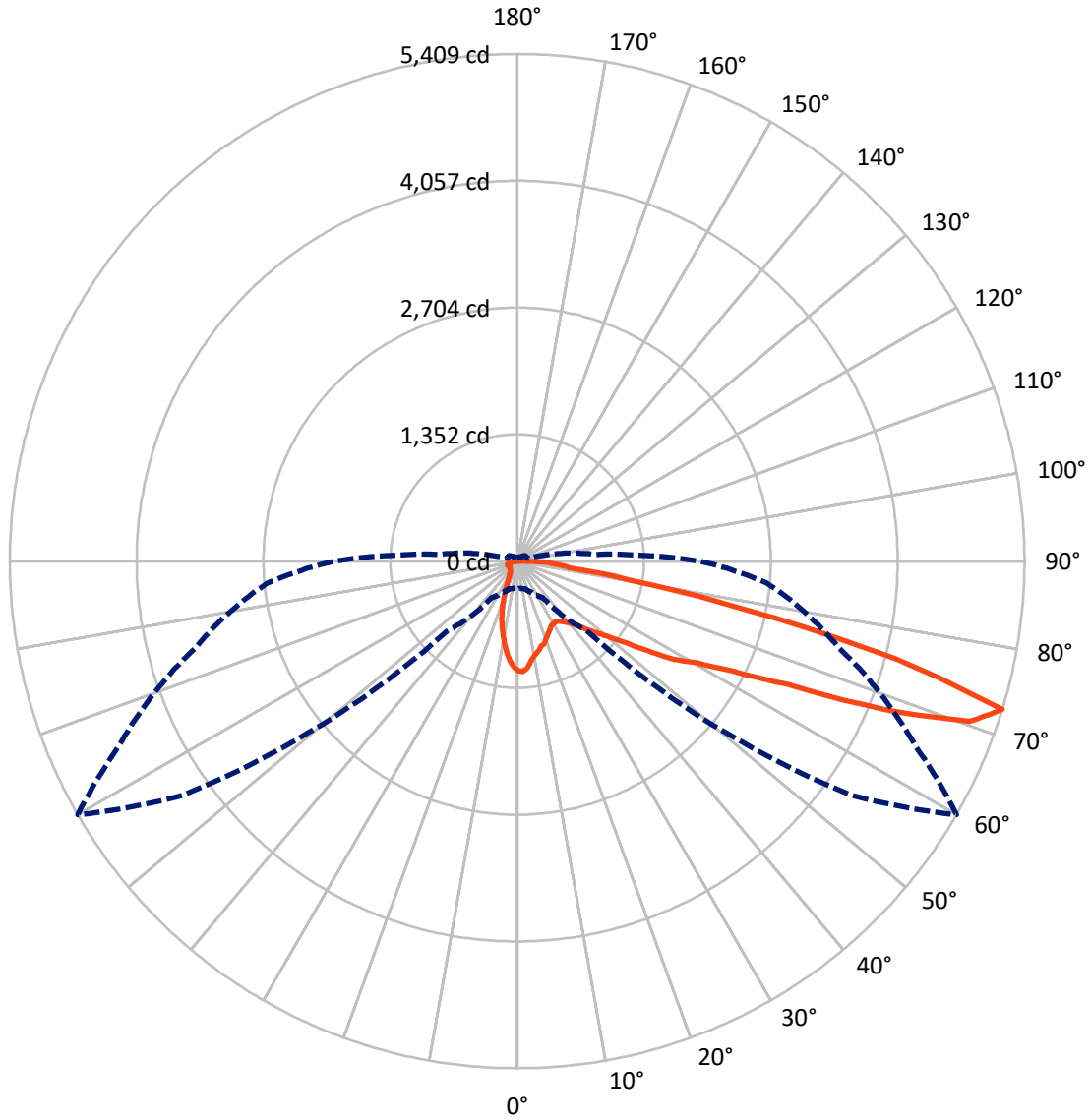
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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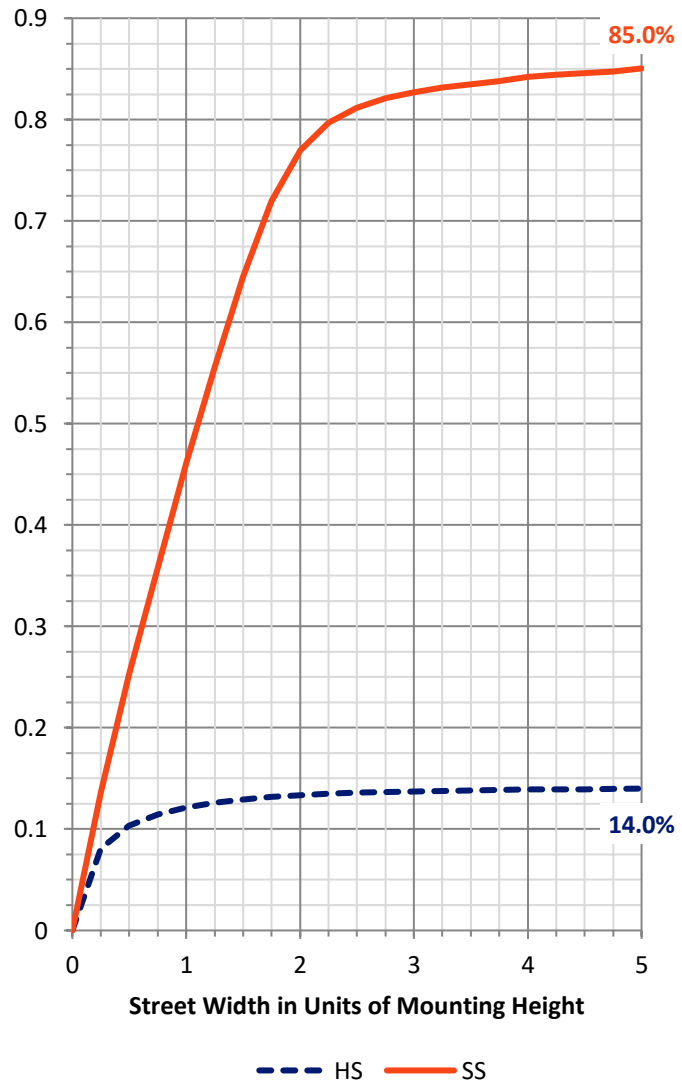
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	611.9	0.0	611.9
	% Fixture	14.1	0.0	14.1
Street Side	Lumens	3719.0	0.0	3719.0
	% Fixture	85.9	0.0	85.9
Total	Lumens	4330.9	0.0	4330.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.0	2.2
10°-20°	200.5	4.6
20°-30°	251.9	5.8
30°-40°	329.2	7.6
40°-50°	492.3	11.4
50°-60°	817.5	18.9
60°-70°	1239.6	28.6
70°-80°	798.0	18.4
80°-90°	105.8	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°	4330.9	100.0
0°-180°	4330.9	100.0

Coefficient of Utilization

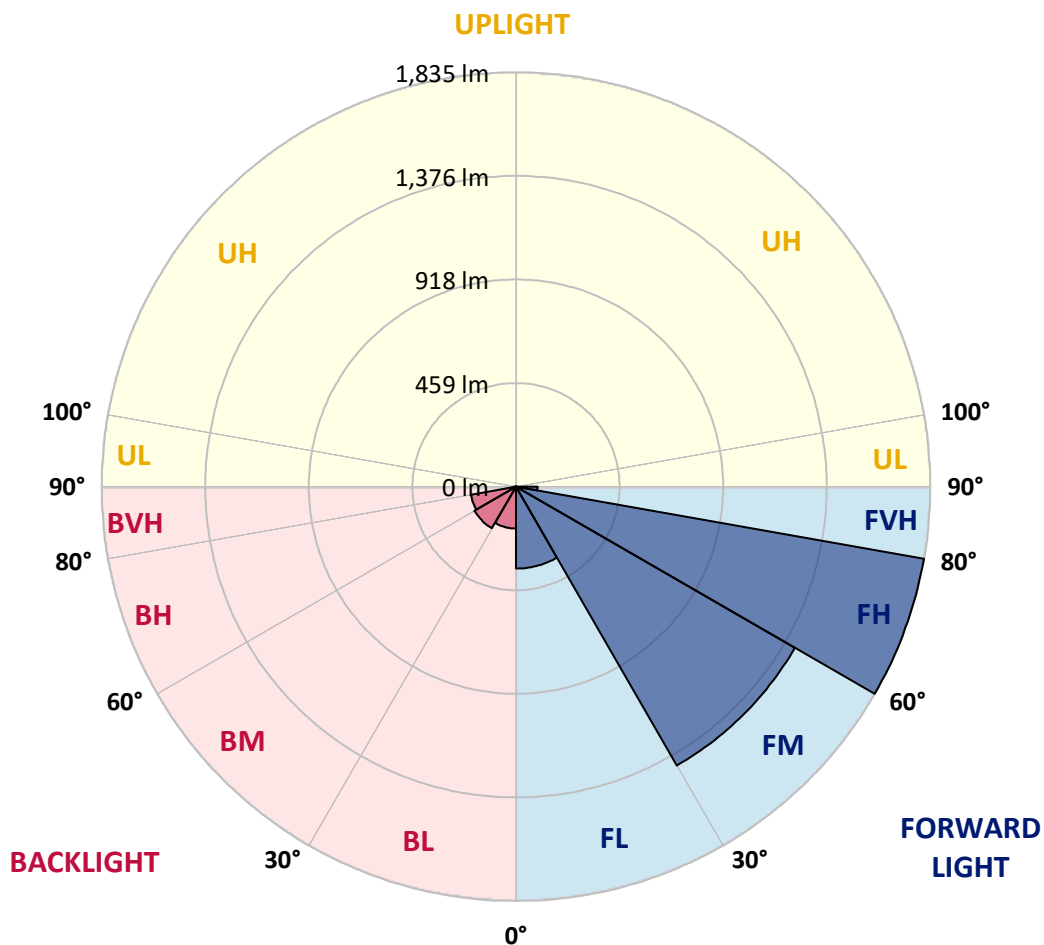


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	362.8	8.4			
FM (30°-60°)	1426.3	32.9			
FH (60°-80°)	1835.1	42.4			G2/5000
FVH (80°-90°)	94.8	2.2			G1/100
BL (0°-30°)	185.5	4.3	B1/500		
BM (30°-60°)	212.7	4.9	B0/220		
BH (60°-80°)	202.6	4.7	B1/500		G1/500
BVH (80°-90°)	11.0	0.3			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5
2.5°	1139.0	1150.0	1152.1	1163.1	1158.7	1160.9	1176.3	1178.5	1165.3	1176.3	1165.3
5°	1086.2	1092.8	1084.0	1095.0	1110.4	1108.2	1136.8	1141.2	1134.6	1152.1	1150.0
7.5°	1018.0	1009.2	1018.0	1026.8	1040.0	1064.2	1068.6	1073.0	1095.0	1117.0	1108.2
10°	897.1	916.9	919.1	949.9	971.9	996.0	1013.6	1020.2	1042.2	1086.2	1088.4
12.5°	855.3	842.1	861.9	872.9	899.3	938.9	963.1	989.4	1004.8	1044.4	1046.6
15°	787.2	789.4	793.8	822.3	844.3	888.3	934.5	945.5	985.0	1029.0	1042.2
17.5°	736.6	738.8	754.2	758.6	798.1	837.7	897.1	927.9	952.1	1011.4	1015.8
20°	710.2	719.0	723.4	721.2	738.8	789.4	855.3	881.7	912.5	993.8	1007.0
22.5°	710.2	710.2	719.0	710.2	719.0	743.2	809.1	842.1	894.9	985.0	976.2
25°	714.6	719.0	708.0	708.0	710.2	725.6	765.2	811.3	872.9	989.4	963.1
27.5°	738.8	732.2	727.8	716.8	703.6	708.0	738.8	776.2	835.5	996.0	938.9
30°	763.0	756.4	743.2	736.6	712.4	710.2	730.0	769.6	822.3	1002.6	932.3
32.5°	782.8	791.6	787.2	780.6	749.8	714.6	734.4	767.4	826.7	1026.8	923.5
35°	822.3	820.1	837.7	820.1	800.3	752.0	760.8	787.2	831.1	1051.0	947.7
37.5°	890.5	879.5	886.1	877.3	848.7	802.5	806.9	822.3	864.1	1095.0	967.5
40°	941.1	936.7	934.5	956.5	919.1	864.1	857.5	870.7	899.3	1139.0	998.2
42.5°	978.4	985.0	993.8	1004.8	993.8	945.5	927.9	936.7	967.5	1204.9	1064.2
45°	1040.0	1026.8	1059.8	1103.8	1092.8	1046.6	1018.0	1033.4	1062.0	1284.1	1156.5
47.5°	1081.8	1081.8	1130.2	1165.3	1193.9	1165.3	1125.8	1141.2	1143.4	1378.6	1279.7
50°	1128.0	1130.2	1207.1	1259.9	1310.5	1317.1	1259.9	1268.7	1284.1	1504.0	1442.4
52.5°	1253.3	1259.9	1303.9	1374.2	1431.4	1484.2	1468.8	1431.4	1418.2	1633.7	1587.5
55°	1449.0	1427.0	1468.8	1506.1	1569.9	1653.5	1765.6	1686.4	1627.1	1772.2	1741.4
57.5°	1563.3	1587.5	1651.3	1699.6	1781.0	1855.8	2007.5	1976.7	1890.9	1939.3	1959.1
60°	1594.1	1622.7	1732.6	1840.4	2040.4	2165.8	2277.9	2201.0	2073.4	2117.4	2201.0
62.5°	1345.6	1389.6	1558.9	1816.2	2214.2	2634.1	2746.2	2581.3	2381.3	2392.2	2517.6
65°	894.9	936.7	1066.4	1387.4	2049.2	3054.1	3465.2	3164.0	2873.8	2836.4	2944.1
67.5°	505.7	503.5	538.7	776.2	1411.6	3001.3	4439.3	4215.0	3601.6	3282.7	3256.4
70°	382.6	382.6	382.6	457.3	661.8	2165.8	4949.4	5118.7	4336.0	3671.9	3337.7
72.5°	299.0	290.2	301.2	369.4	474.9	1046.6	4353.5	5408.9	4692.2	3544.4	2669.3
75°	215.5	215.5	230.9	301.2	439.8	514.5	2963.9	4173.2	3856.6	2680.3	1556.7
77.5°	156.1	153.9	175.9	241.9	404.6	459.5	1486.4	2506.6	2172.4	1279.7	406.8
80°	98.9	101.1	118.7	178.1	362.8	442.0	670.6	1200.5	809.1	310.0	147.3
82.5°	59.4	61.6	79.2	114.3	274.8	411.2	534.3	556.3	325.4	149.5	85.8
85°	33.0	33.0	48.4	70.4	162.7	406.8	481.5	431.0	230.9	92.3	44.0
87.5°	11.0	11.0	19.8	28.6	70.4	219.9	310.0	283.6	138.5	44.0	15.4
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°	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5
2.5°	1158.7	1163.1	1143.4	1125.8	1123.6	1097.2	1099.4	1090.6	1075.2	1066.4	1048.8
5°	1139.0	1125.8	1097.2	1066.4	1037.8	1007.0	980.6	963.1	949.9	938.9	941.1
7.5°	1088.4	1075.2	1035.6	985.0	941.1	894.9	850.9	802.5	778.4	763.0	749.8
10°	1055.4	1026.8	976.2	886.1	820.1	747.6	679.4	617.9	549.7	521.1	516.7
12.5°	1035.6	996.0	910.3	796.0	701.4	602.5	496.9	409.0	349.6	316.6	310.0
15°	1007.0	967.5	831.1	721.2	587.1	457.3	338.6	270.4	239.7	230.9	233.1
17.5°	971.9	919.1	774.0	628.8	455.1	316.6	246.3	224.3	206.7	200.1	200.1
20°	949.9	861.9	690.4	514.5	332.0	237.5	204.5	191.3	184.7	182.5	184.7
22.5°	919.1	815.7	617.9	398.0	237.5	195.7	178.1	171.5	171.5	171.5	171.5
25°	881.7	776.2	529.9	285.8	189.1	164.9	160.5	158.3	158.3	162.7	162.7
27.5°	859.7	725.6	437.6	211.1	160.5	145.1	142.9	145.1	151.7	153.9	153.9
30°	822.3	679.4	349.6	175.9	140.7	134.1	134.1	134.1	138.5	140.7	140.7
32.5°	800.3	650.8	266.0	149.5	127.5	125.3	125.3	125.3	127.5	129.7	129.7
35°	800.3	622.2	206.7	136.3	120.9	116.5	116.5	116.5	118.7	118.7	118.7
37.5°	815.7	600.3	171.5	125.3	114.3	112.1	112.1	112.1	109.9	109.9	112.1
40°	828.9	580.5	156.1	118.7	112.1	107.7	107.7	105.5	105.5	105.5	107.7
42.5°	866.3	580.5	142.9	114.3	109.9	103.3	103.3	101.1	101.1	103.3	103.3
45°	941.1	578.3	134.1	112.1	105.5	101.1	96.7	96.7	98.9	101.1	101.1
47.5°	1042.2	582.7	129.7	109.9	101.1	96.7	92.3	92.3	94.5	101.1	101.1
50°	1143.4	611.3	127.5	105.5	98.9	92.3	90.1	90.1	94.5	98.9	98.9
52.5°	1288.5	668.4	129.7	105.5	98.9	90.1	88.0	88.0	90.1	94.5	94.5
55°	1427.0	754.2	134.1	105.5	96.7	90.1	85.8	83.6	85.8	88.0	90.1
57.5°	1624.9	881.7	136.3	103.3	94.5	90.1	83.6	79.2	81.4	83.6	83.6
60°	1873.3	1073.0	147.3	105.5	94.5	85.8	79.2	72.6	74.8	74.8	72.6
62.5°	2216.3	1387.4	164.9	109.9	94.5	81.4	72.6	68.2	66.0	66.0	66.0
65°	2585.7	1616.1	171.5	116.5	101.1	79.2	66.0	59.4	59.4	59.4	59.4
67.5°	2836.4	1715.0	156.1	118.7	112.1	77.0	61.6	55.0	52.8	50.6	50.6
70°	2638.5	1418.2	136.3	112.1	114.3	74.8	57.2	50.6	46.2	46.2	44.0
72.5°	1954.7	831.1	118.7	105.5	103.3	70.4	55.0	48.4	44.0	39.6	39.6
75°	949.9	307.8	105.5	94.5	85.8	59.4	50.6	44.0	39.6	35.2	35.2
77.5°	241.9	134.1	81.4	79.2	66.0	48.4	44.0	39.6	35.2	30.8	28.6
80°	123.1	94.5	61.6	59.4	46.2	39.6	35.2	30.8	26.4	24.2	24.2
82.5°	77.0	61.6	48.4	41.8	30.8	28.6	26.4	22.0	19.8	15.4	15.4
85°	39.6	35.2	30.8	24.2	17.6	15.4	13.2	11.0	11.0	6.6	6.6
87.5°	17.6	15.4	13.2	8.8	4.4	4.4	2.2	2.2	0.0	0.0	0.0
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)