

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: P565347

Luminaire Tested: **IFLD-L-SA7A-AMB-U-SL4**

Issue Date: 09/02/2021



Test Information

Test Method: LM-79-08
Report Number: P565347
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-SL4
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square
Luminaire w/ SL4 distribution lens
Light Source: (112) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

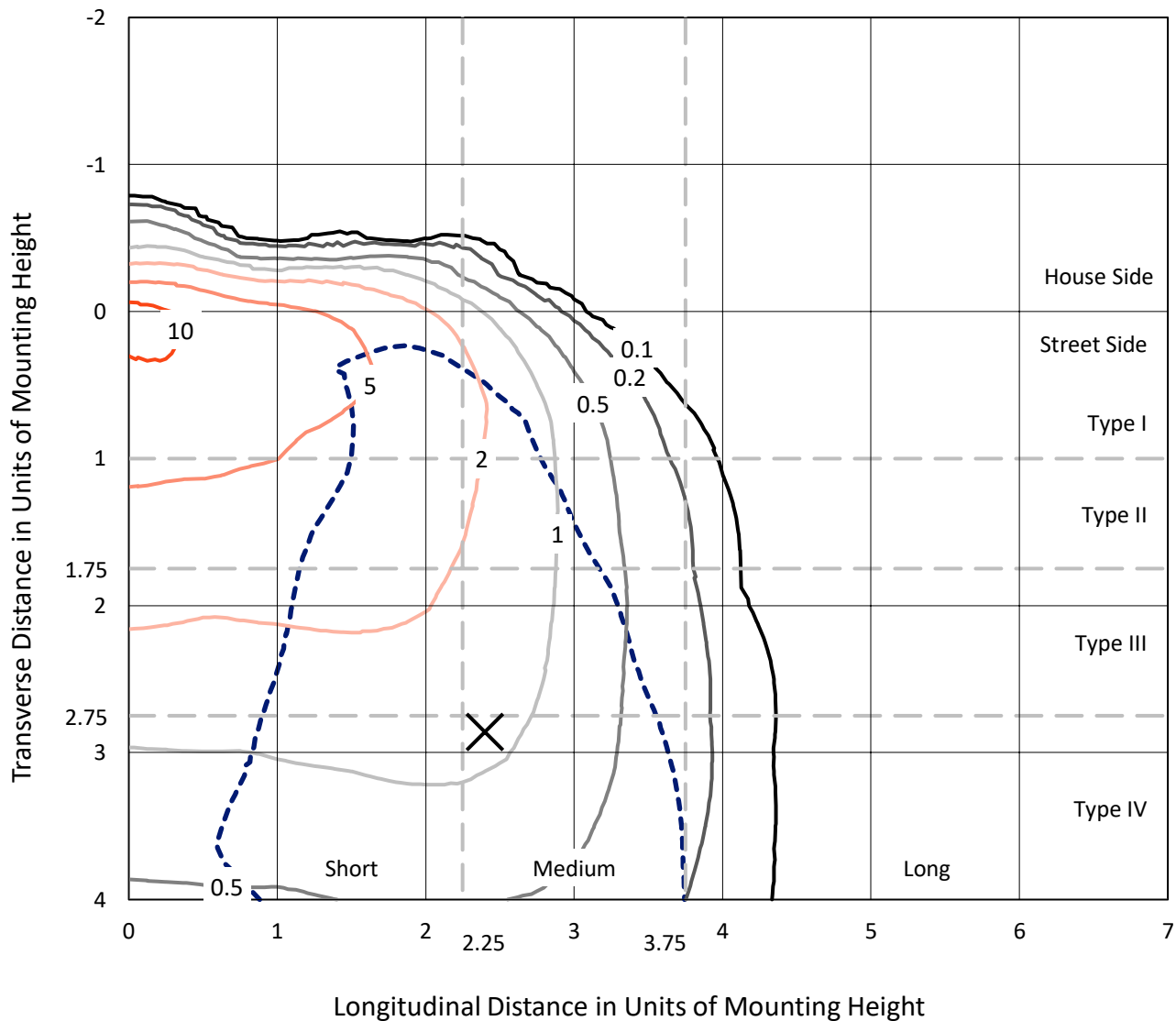
Lumens per Lamp: N/A
Luminaire Lumens: 7196.9 lumens
Efficiency: N/A
Efficacy: 51.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G3

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

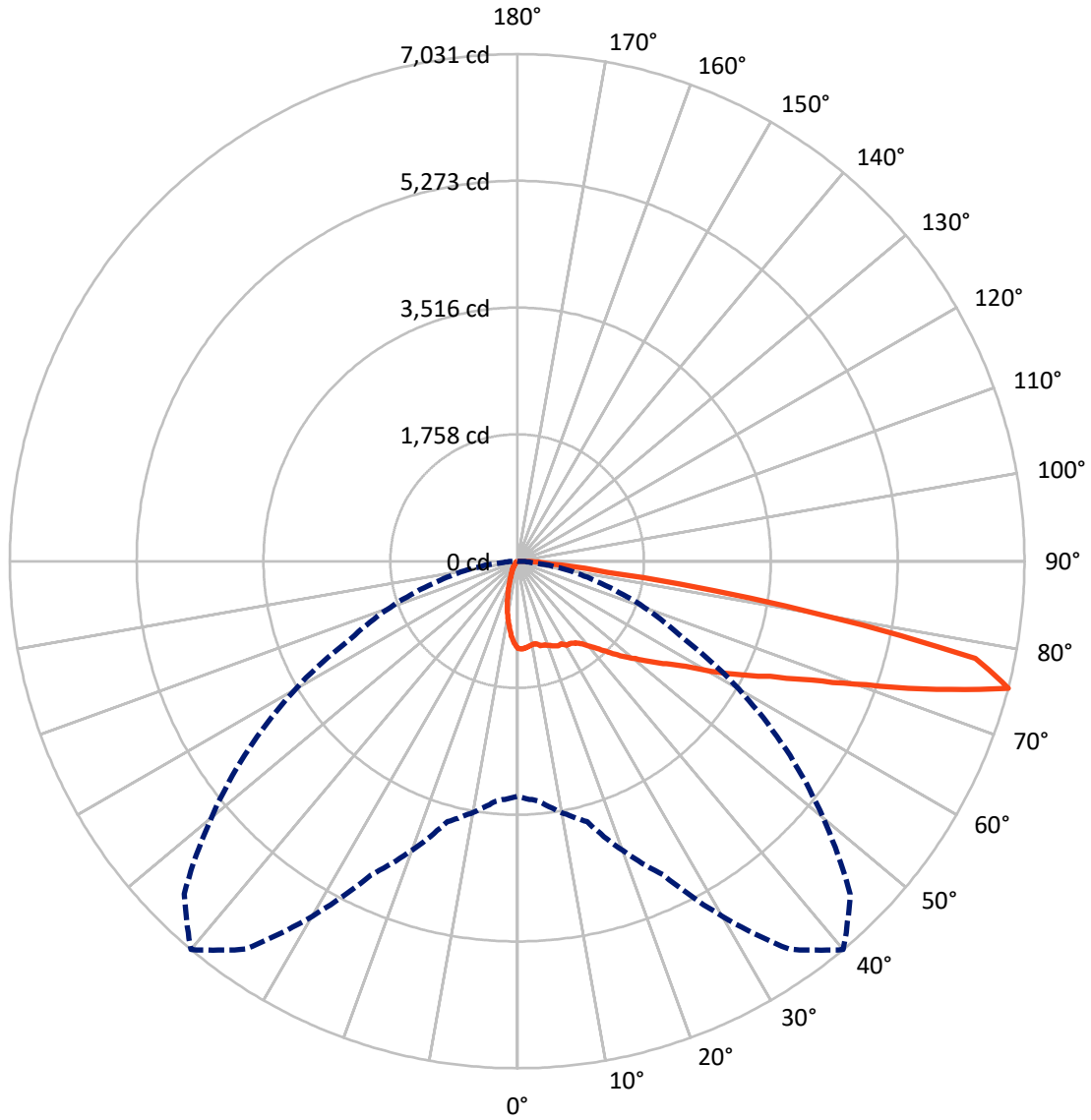
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.1 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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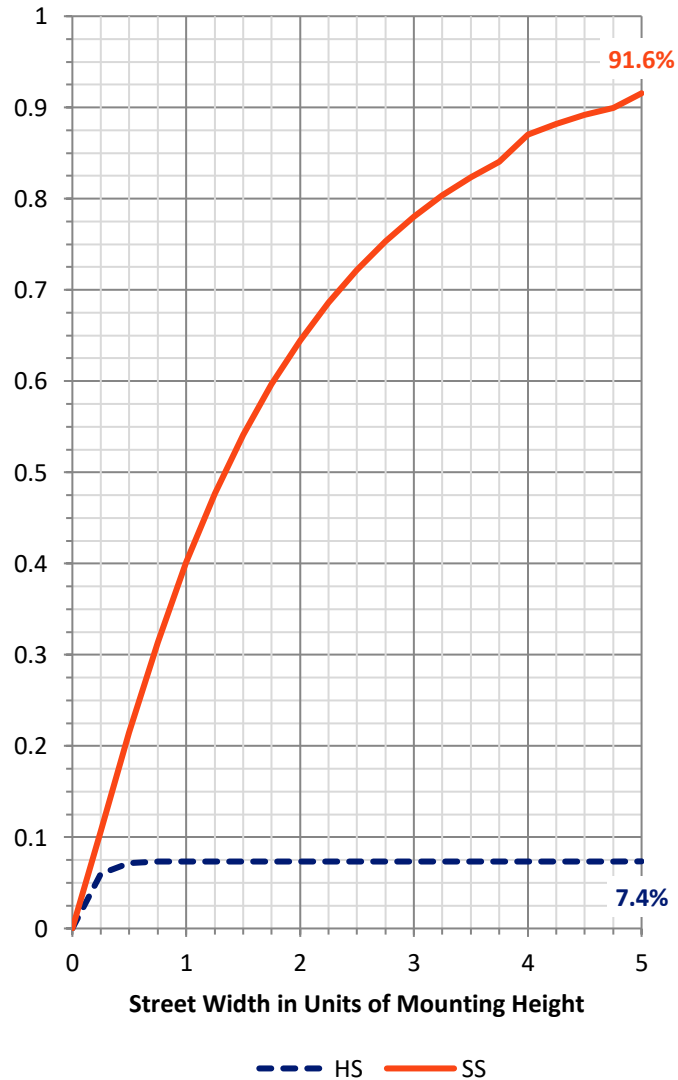
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	535.2	0.0	535.2
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	6661.7	0.0	6661.7
	% Fixture	92.6	0.0	92.6
Total	Lumens	7196.9	0.0	7196.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.1	1.4
10°-20°	256.1	3.6
20°-30°	381.0	5.3
30°-40°	529.1	7.4
40°-50°	799.3	11.1
50°-60°	1255.6	17.4
60°-70°	1796.1	25.0
70°-80°	1788.4	24.8
80°-90°	287.1	4.0
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°	7196.9	100.0
0°-180°	7196.9	100.0

Coefficient of Utilization



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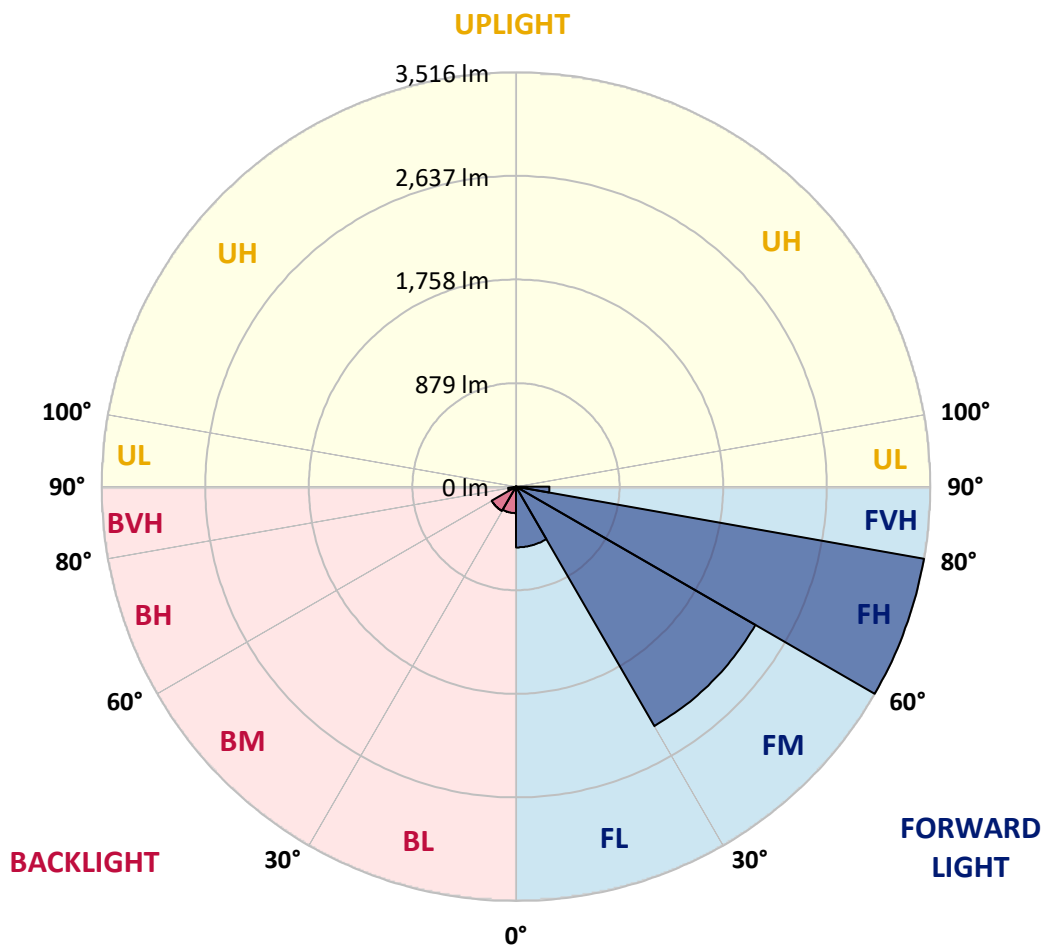
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	515.7	7.2			
FM (30°-60°)	2346.0	32.6			
FH (60°-80°)	3516.1	48.9			G2/5000
FVH (80°-90°)	283.9	3.9			G3/500
BL (0°-30°)	225.4	3.1	B1/500		
BM (30°-60°)	238.0	3.3	B1/1000		
BH (60°-80°)	68.4	1.0	B0/110		G0/110
BVH (80°-90°)	3.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1208.2	1208.2	1208.2	1208.2	1208.2	1208.2	1208.2	1208.2	1208.2	1208.2	1208.2
2.5°	1230.0	1216.9	1225.6	1203.8	1208.2	1221.3	1216.9	1216.9	1221.3	1221.3	1221.3
5°	1195.1	1221.3	1212.5	1199.5	1216.9	1208.2	1203.8	1216.9	1203.8	1199.5	1195.1
7.5°	1195.1	1190.7	1195.1	1177.7	1190.7	1190.7	1199.5	1199.5	1186.4	1186.4	1177.7
10°	1160.2	1147.1	1164.6	1164.6	1168.9	1173.3	1186.4	1177.7	1164.6	1151.5	1147.1
12.5°	1112.2	1138.4	1155.8	1173.3	1186.4	1173.3	1173.3	1190.7	1177.7	1164.6	1147.1
15°	1134.0	1121.0	1147.1	1186.4	1208.2	1216.9	1212.5	1195.1	1199.5	1177.7	1155.8
17.5°	1151.5	1138.4	1147.1	1182.0	1208.2	1221.3	1234.4	1243.1	1199.5	1190.7	1151.5
20°	1164.6	1138.4	1190.7	1216.9	1247.4	1247.4	1243.1	1243.1	1216.9	1221.3	1168.9
22.5°	1195.1	1186.4	1195.1	1251.8	1273.6	1273.6	1269.2	1269.2	1225.6	1216.9	1190.7
25°	1238.7	1230.0	1238.7	1282.3	1286.7	1304.1	1299.8	1256.2	1234.4	1243.1	1199.5
27.5°	1286.7	1269.2	1278.0	1312.9	1304.1	1299.8	1308.5	1282.3	1251.8	1282.3	1247.4
30°	1317.2	1330.3	1317.2	1356.5	1330.3	1352.1	1330.3	1282.3	1278.0	1317.2	1299.8
32.5°	1400.1	1387.0	1382.7	1382.7	1360.8	1360.8	1352.1	1326.0	1321.6	1387.0	1352.1
35°	1496.1	1461.2	1439.4	1417.5	1382.7	1391.4	1400.1	1347.8	1365.2	1474.2	1417.5
37.5°	1570.2	1561.5	1526.6	1478.6	1443.7	1452.4	1456.8	1426.3	1461.2	1600.7	1509.1
40°	1626.9	1600.7	1596.4	1583.3	1513.5	1557.1	1552.8	1509.1	1587.7	1753.4	1670.5
42.5°	1661.8	1666.2	1688.0	1653.1	1644.4	1666.2	1666.2	1648.7	1727.2	1971.5	1849.4
45°	1731.6	1727.2	1735.9	1775.2	1770.8	1810.1	1788.3	1801.4	1940.9	2228.8	2063.1
47.5°	1797.0	1810.1	1805.7	1853.7	1897.3	1971.5	1988.9	1971.5	2159.0	2512.3	2268.1
50°	1871.2	1853.7	1858.1	1980.2	2076.2	2124.1	2193.9	2172.1	2403.3	2835.1	2529.8
52.5°	1980.2	1971.5	1906.1	2137.2	2207.0	2316.1	2364.0	2398.9	2665.0	3184.0	2774.0
55°	2111.1	2071.8	1993.3	2241.9	2385.8	2512.3	2638.8	2660.6	2983.4	3485.0	2935.4
57.5°	2289.9	2220.1	2124.1	2416.4	2638.8	2752.2	2870.0	2957.2	3288.7	3711.8	3096.8
60°	2438.2	2407.6	2268.1	2564.7	2896.2	3105.5	3201.5	3323.6	3620.2	3956.0	3275.6
62.5°	2582.1	2542.9	2490.5	2826.4	3258.2	3471.9	3546.0	3672.5	3960.4	4174.1	3349.8
65°	2686.8	2665.0	2621.4	3044.5	3690.0	3855.7	3947.3	4165.4	4270.1	4248.3	3162.2
67.5°	2804.6	2791.5	2856.9	3397.8	4117.4	4392.2	4558.0	4592.9	4444.6	4047.6	2656.3
70°	2948.5	2987.8	3153.5	3764.1	4771.7	5129.3	5360.5	5029.0	4278.8	3533.0	1840.6
72.5°	3149.1	3232.0	3480.6	4353.0	5644.0	6075.8	6054.0	5181.7	3764.1	2516.7	859.3
75°	3262.5	3336.7	3738.0	4802.2	6568.7	7031.0	6525.1	4544.9	2542.9	1203.8	187.6
77.5°	2787.1	2992.1	3485.0	4915.6	6647.2	6494.5	5334.3	2765.3	1046.8	388.2	126.5
80°	1548.4	1674.9	2045.6	3140.4	4357.3	3772.9	2739.1	1086.1	414.4	239.9	122.1
82.5°	584.5	606.3	745.8	1007.5	1352.1	1264.9	902.9	623.7	274.8	135.2	39.3
85°	396.9	414.4	462.3	471.1	479.8	466.7	475.4	558.3	205.0	56.7	21.8
87.5°	235.5	248.6	274.8	261.7	257.3	248.6	305.3	545.2	69.8	17.4	4.4
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°	1208.2	1208.2	1208.2	1208.2	1208.2	1208.2	1208.2	1208.2	1208.2	1208.2	1208.2
2.5°	1203.8	1203.8	1173.3	1186.4	1164.6	1142.8	1138.4	1125.3	1121.0	1121.0	1094.8
5°	1190.7	1182.0	1138.4	1116.6	1081.7	1055.5	1020.6	994.5	990.1	972.7	955.2
7.5°	1147.1	1155.8	1112.2	1059.9	994.5	937.8	872.3	833.1	815.6	798.2	780.7
10°	1134.0	1121.0	1090.4	1003.2	907.2	815.6	745.8	671.7	628.1	606.3	601.9
12.5°	1125.3	1103.5	1025.0	924.7	806.9	697.9	597.6	514.7	453.6	431.8	418.7
15°	1121.0	1107.9	972.7	846.2	715.3	580.1	475.4	383.8	318.4	296.6	287.9
17.5°	1142.8	1090.4	929.0	776.4	615.0	466.7	366.4	270.4	226.8	200.6	196.3
20°	1125.3	1081.7	889.8	697.9	506.0	353.3	266.1	200.6	165.7	157.0	152.7
22.5°	1138.4	1059.9	841.8	615.0	414.4	279.1	200.6	161.4	143.9	135.2	130.9
25°	1147.1	1042.4	785.1	523.4	331.5	222.4	161.4	135.2	122.1	117.8	113.4
27.5°	1195.1	1059.9	737.1	436.2	257.3	178.8	135.2	117.8	109.0	104.7	100.3
30°	1186.4	1059.9	676.1	362.0	205.0	139.6	117.8	100.3	96.0	87.2	87.2
32.5°	1234.4	1055.5	610.6	296.6	157.0	113.4	91.6	82.9	82.9	74.1	74.1
35°	1273.6	1038.1	532.1	226.8	109.0	78.5	61.1	56.7	52.3	48.0	48.0
37.5°	1317.2	1059.9	462.3	161.4	69.8	43.6	34.9	26.2	26.2	21.8	21.8
40°	1417.5	1081.7	388.2	113.4	39.3	21.8	4.4	4.4	4.4	0.0	0.0
42.5°	1526.6	1116.6	331.5	74.1	13.1	0.0	0.0	0.0	0.0	0.0	0.0
45°	1674.9	1164.6	279.1	48.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1814.5	1243.1	239.9	21.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	1988.9	1291.1	213.7	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	2159.0	1347.8	187.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	2276.8	1404.5	157.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	2390.2	1439.4	130.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	2464.4	1404.5	82.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	2425.1	1291.1	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	2198.3	1016.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1653.1	540.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	846.2	109.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	209.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	34.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	74.1	56.7	17.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	43.6	61.1	21.8	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	30.5	48.0	17.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.4	30.5	8.7	0.0	0.0	0.0	0.0	0.0	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)