

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: P565427

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

Issue Date: 09/02/2021



Test Information

Test Method: LM-79-08
Report Number: P565427
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-HSS
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square
Luminaire w/ SL4 distribution lens and House Side Shield
Light Source: (112) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

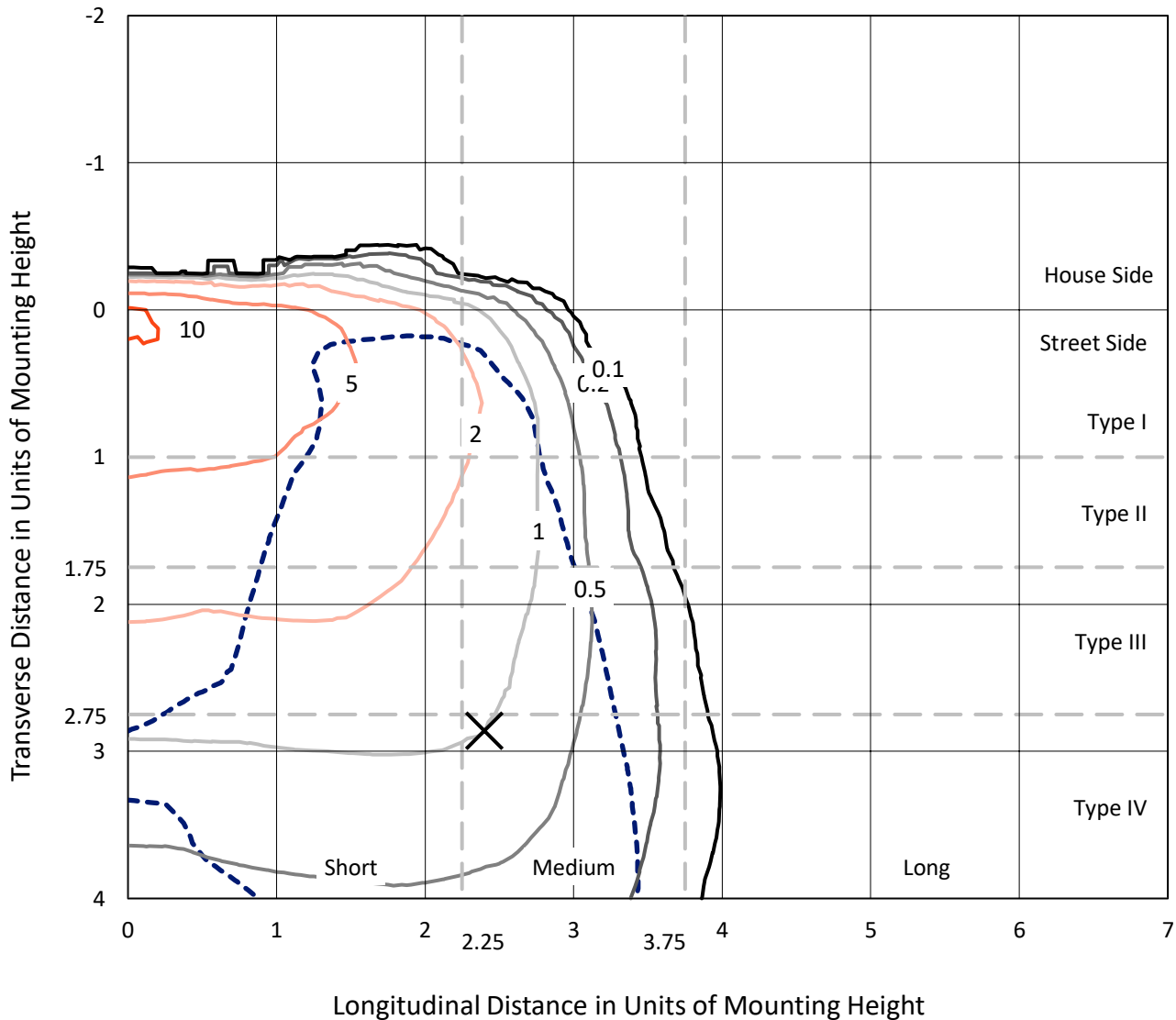
Lumens per Lamp: N/A
Luminaire Lumens: 6148.6 lumens
Efficiency: N/A
Efficacy: 43.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

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

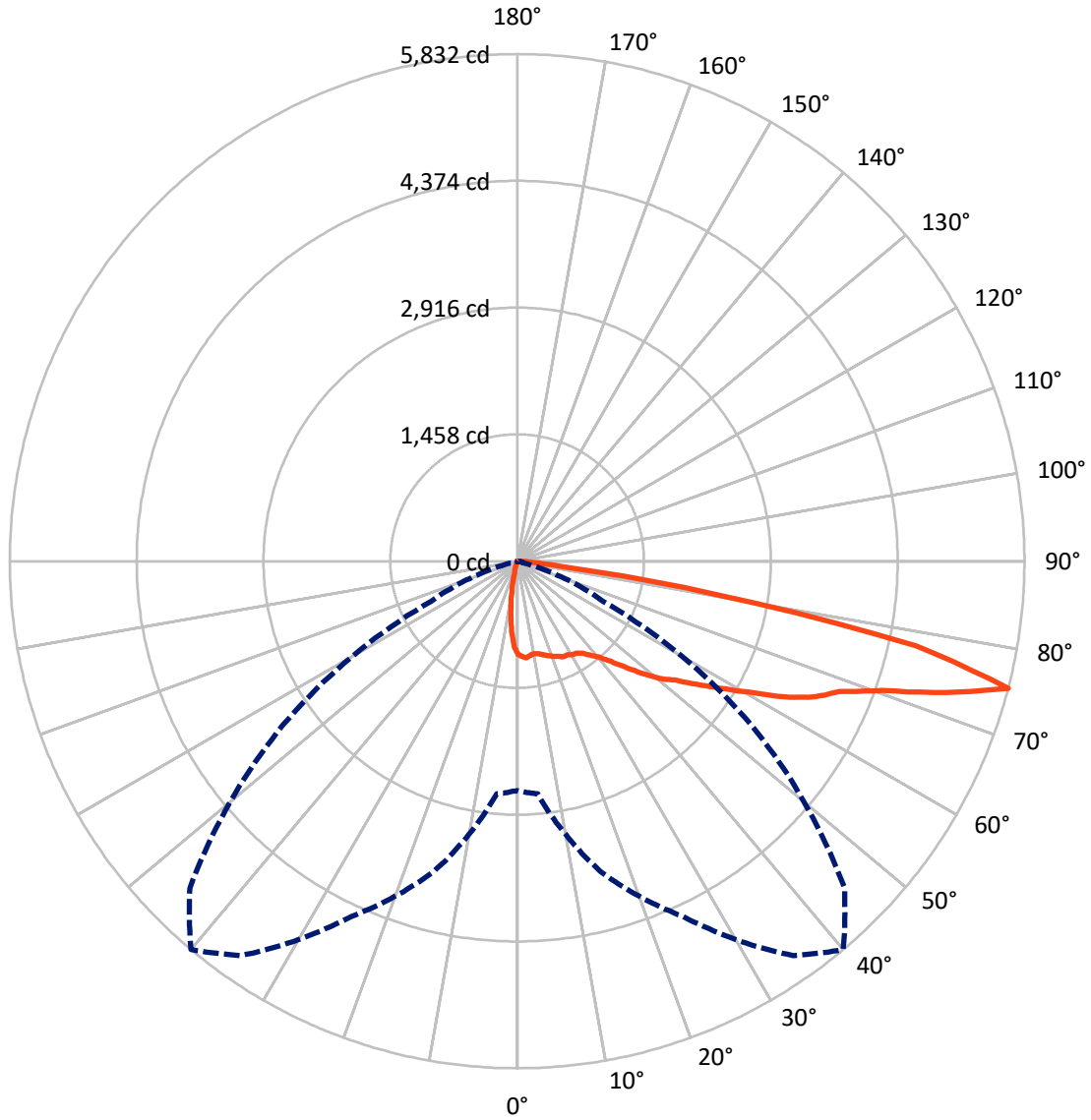
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.7 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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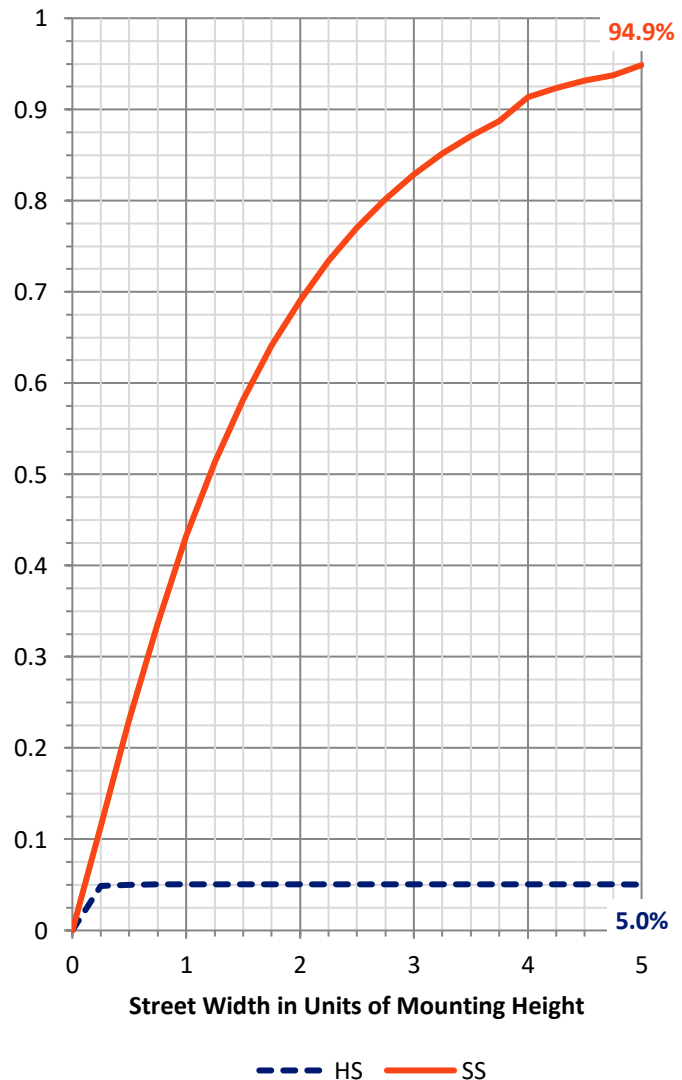
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	310.8	0.0	310.8
	% Fixture	5.1	0.0	5.1
Street Side	Lumens	5837.9	0.0	5837.9
	% Fixture	94.9	0.0	94.9
Total	Lumens	6148.6	0.0	6148.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.7	1.4
10°-20°	199.2	3.2
20°-30°	311.5	5.1
30°-40°	458.5	7.5
40°-50°	743.4	12.1
50°-60°	1177.2	19.1
60°-70°	1642.5	26.7
70°-80°	1390.7	22.6
80°-90°	138.9	2.3
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°	6148.6	100.0
0°-180°	6148.6	100.0

Coefficient of Utilization

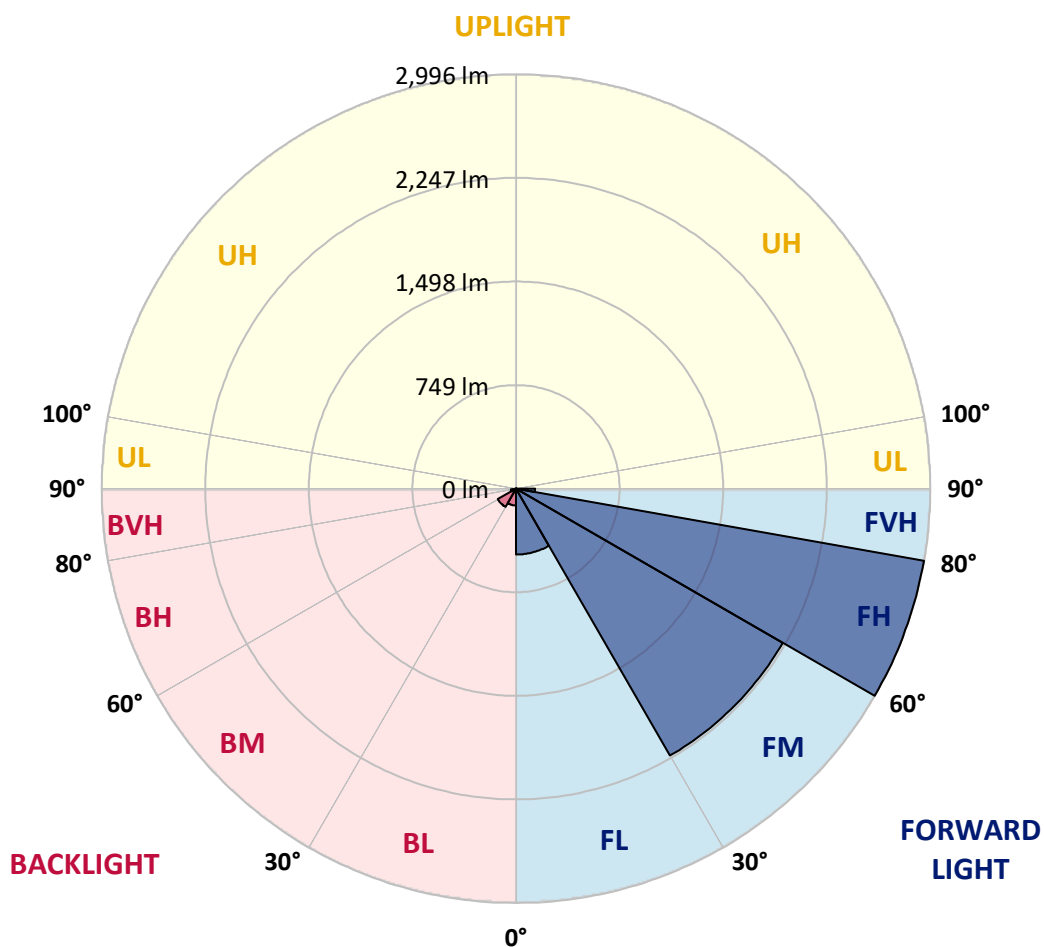


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	476.1	7.7			
FM (30°-60°)	2227.4	36.2			
FH (60°-80°)	2995.7	48.7			G2/5000
FVH (80°-90°)	138.6	2.3			G2/225
BL (0°-30°)	121.2	2.0	B1/500		
BM (30°-60°)	151.8	2.5	B0/220		
BH (60°-80°)	37.4	0.6	B0/110		G0/110
BVH (80°-90°)	0.3	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-G2
 Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1071.9	1071.9	1071.9	1071.9	1071.9	1071.9	1071.9	1071.9	1071.9	1071.9	1071.9
2.5°	1126.3	1105.4	1113.7	1105.4	1092.8	1097.0	1088.6	1092.8	1092.8	1097.0	1080.2
5°	1105.4	1113.7	1126.3	1101.2	1092.8	1117.9	1097.0	1105.4	1084.4	1063.5	1063.5
7.5°	1080.2	1101.2	1101.2	1088.6	1097.0	1092.8	1092.8	1076.0	1076.0	1055.1	1034.2
10°	1059.3	1071.9	1071.9	1084.4	1084.4	1080.2	1084.4	1063.5	1059.3	1042.6	1030.0
12.5°	1038.4	1050.9	1071.9	1076.0	1097.0	1092.8	1097.0	1071.9	1071.9	1067.7	1025.8
15°	1059.3	1042.6	1067.7	1101.2	1109.5	1117.9	1126.3	1109.5	1092.8	1080.2	1034.2
17.5°	1063.5	1055.1	1076.0	1122.1	1122.1	1143.0	1151.4	1134.7	1092.8	1071.9	1038.4
20°	1097.0	1084.4	1101.2	1151.4	1155.6	1168.2	1168.2	1159.8	1117.9	1092.8	1067.7
22.5°	1117.9	1109.5	1117.9	1176.5	1189.1	1189.1	1184.9	1172.3	1134.7	1122.1	1088.6
25°	1168.2	1168.2	1159.8	1201.7	1210.0	1218.4	1210.0	1172.3	1130.5	1147.2	1109.5
27.5°	1184.9	1205.8	1193.3	1214.2	1226.8	1222.6	1222.6	1176.5	1130.5	1151.4	1143.0
30°	1260.3	1251.9	1231.0	1260.3	1247.7	1247.7	1235.2	1184.9	1172.3	1205.8	1176.5
32.5°	1331.5	1310.5	1289.6	1277.0	1256.1	1260.3	1260.3	1231.0	1193.3	1285.4	1251.9
35°	1402.6	1373.3	1364.9	1344.0	1285.4	1302.1	1306.3	1264.5	1256.1	1344.0	1314.7
37.5°	1465.4	1444.5	1419.4	1385.9	1356.6	1373.3	1360.8	1314.7	1344.0	1490.6	1415.2
40°	1503.1	1511.5	1482.2	1498.9	1457.1	1448.7	1461.2	1431.9	1461.2	1645.5	1557.5
42.5°	1591.0	1570.1	1570.1	1549.2	1561.7	1574.3	1586.9	1570.1	1641.3	1854.8	1754.3
45°	1612.0	1616.2	1624.5	1662.2	1691.5	1737.6	1766.9	1691.5	1833.9	2131.2	1976.2
47.5°	1691.5	1687.3	1670.6	1779.5	1850.6	1921.8	1963.7	1896.7	2051.6	2374.0	2206.5
50°	1796.2	1754.3	1725.0	1900.9	2009.7	2118.6	2127.0	2118.6	2298.6	2675.5	2420.1
52.5°	1850.6	1838.1	1796.2	2022.3	2177.2	2273.5	2378.2	2336.3	2595.9	2993.7	2587.5
55°	1967.9	1951.1	1879.9	2185.6	2369.8	2495.4	2608.5	2633.6	2872.3	3253.3	2688.0
57.5°	2177.2	2089.3	2018.1	2327.9	2608.5	2755.0	2889.0	2951.8	3182.1	3337.0	2763.4
60°	2353.1	2256.8	2219.1	2495.4	2880.6	3056.5	3190.5	3286.8	3337.0	3408.2	2872.3
62.5°	2516.4	2428.4	2374.0	2750.8	3236.5	3437.5	3529.6	3471.0	3408.2	3542.2	2964.4
65°	2583.4	2587.5	2545.7	3018.8	3609.2	3764.1	3789.2	3630.1	3596.6	3739.0	2968.6
67.5°	2729.9	2734.1	2734.1	3303.5	3981.8	3998.5	4011.1	3931.6	3923.2	3885.5	2696.4
70°	2851.3	2897.4	3023.0	3621.7	4312.6	4450.7	4551.2	4383.7	3994.4	3270.0	1536.6
72.5°	3023.0	3039.7	3366.3	3998.5	4823.4	5158.3	5313.2	4647.5	2989.5	1494.7	205.2
75°	2637.8	2688.0	3692.9	4509.4	5539.3	5832.4	5321.6	3286.8	1088.6	79.6	0.0
77.5°	1159.8	1318.9	2784.3	4312.6	5074.6	4689.4	3504.5	1348.2	138.2	0.0	0.0
80°	535.9	573.6	883.4	2298.6	2738.3	2311.2	1469.6	481.5	79.6	0.0	0.0
82.5°	381.0	381.0	427.1	552.7	644.8	527.6	381.0	343.3	62.8	0.0	0.0
85°	67.0	62.8	251.2	326.6	263.8	175.9	175.9	401.9	37.7	16.7	16.7
87.5°	0.0	0.0	41.9	146.5	125.6	58.6	79.6	146.5	4.2	8.4	8.4
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°	1071.9	1071.9	1071.9	1071.9	1071.9	1071.9	1071.9	1071.9	1071.9	1071.9	1071.9
2.5°	1071.9	1076.0	1038.4	1030.0	1000.7	996.5	963.0	937.9	933.7	916.9	925.3
5°	1038.4	1025.8	1004.9	942.1	883.4	833.2	778.8	741.1	716.0	678.3	695.0
7.5°	1017.4	1000.7	942.1	862.5	762.0	649.0	561.1	481.5	439.6	414.5	414.5
10°	996.5	983.9	896.0	766.2	602.9	456.4	326.6	221.9	167.5	125.6	138.2
12.5°	1000.7	963.0	850.0	674.1	460.6	259.6	117.2	50.2	33.5	25.1	20.9
15°	1017.4	958.8	808.1	561.1	301.5	92.1	25.1	16.7	12.6	12.6	12.6
17.5°	1017.4	963.0	749.5	435.4	146.5	20.9	8.4	8.4	8.4	8.4	4.2
20°	1021.6	967.2	703.4	309.8	46.1	4.2	0.0	0.0	0.0	0.0	0.0
22.5°	1038.4	963.0	623.9	180.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0
25°	1042.6	950.4	548.5	71.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.5°	1059.3	929.5	460.6	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	1092.8	921.1	360.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	1117.9	933.7	247.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	1164.0	921.1	117.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	1231.0	925.3	29.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	1335.6	950.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	1461.2	1000.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	1616.2	1042.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1771.1	1076.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	1917.6	1113.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	2043.2	1088.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	2106.0	975.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	2101.9	845.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	2135.3	703.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	2164.7	506.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	2068.4	242.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1591.0	33.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	644.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	20.9	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.4	4.2	4.2	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)