

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: P565348

Luminaire Tested: **IFLD-L-SA8A-AMB-U-SL4**

Issue Date: 09/02/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P565348  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 09/02/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8A-AMB-U-SL4  
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square  
Luminaire w/ SL4 distribution lens  
Light Source: (128) AMB CCT, -- CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

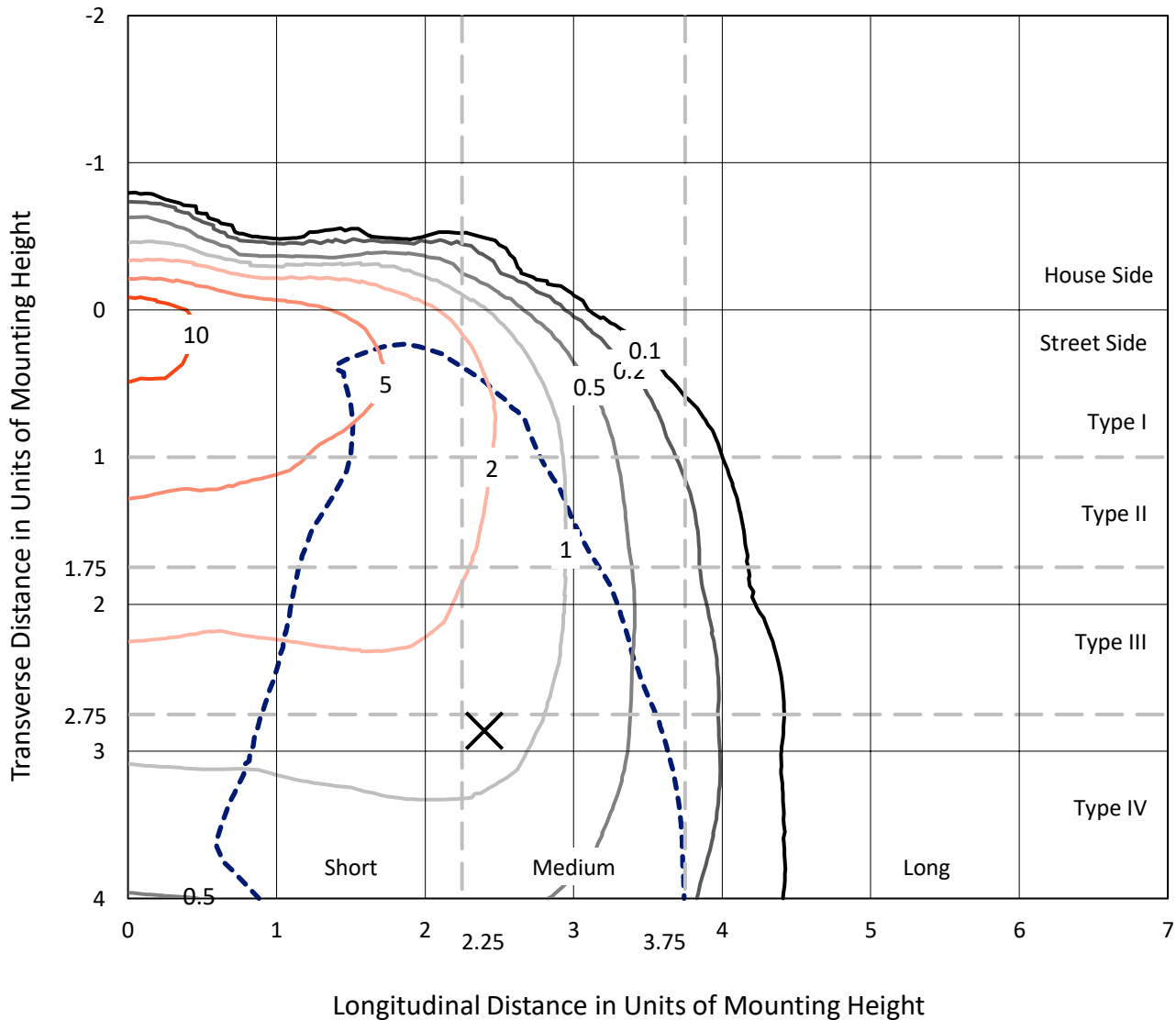
Lumens per Lamp: N/A  
Luminaire Lumens: 7876.5 lumens  
Efficiency: N/A  
Efficacy: 49.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G3

Input Watts (W): 160  
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

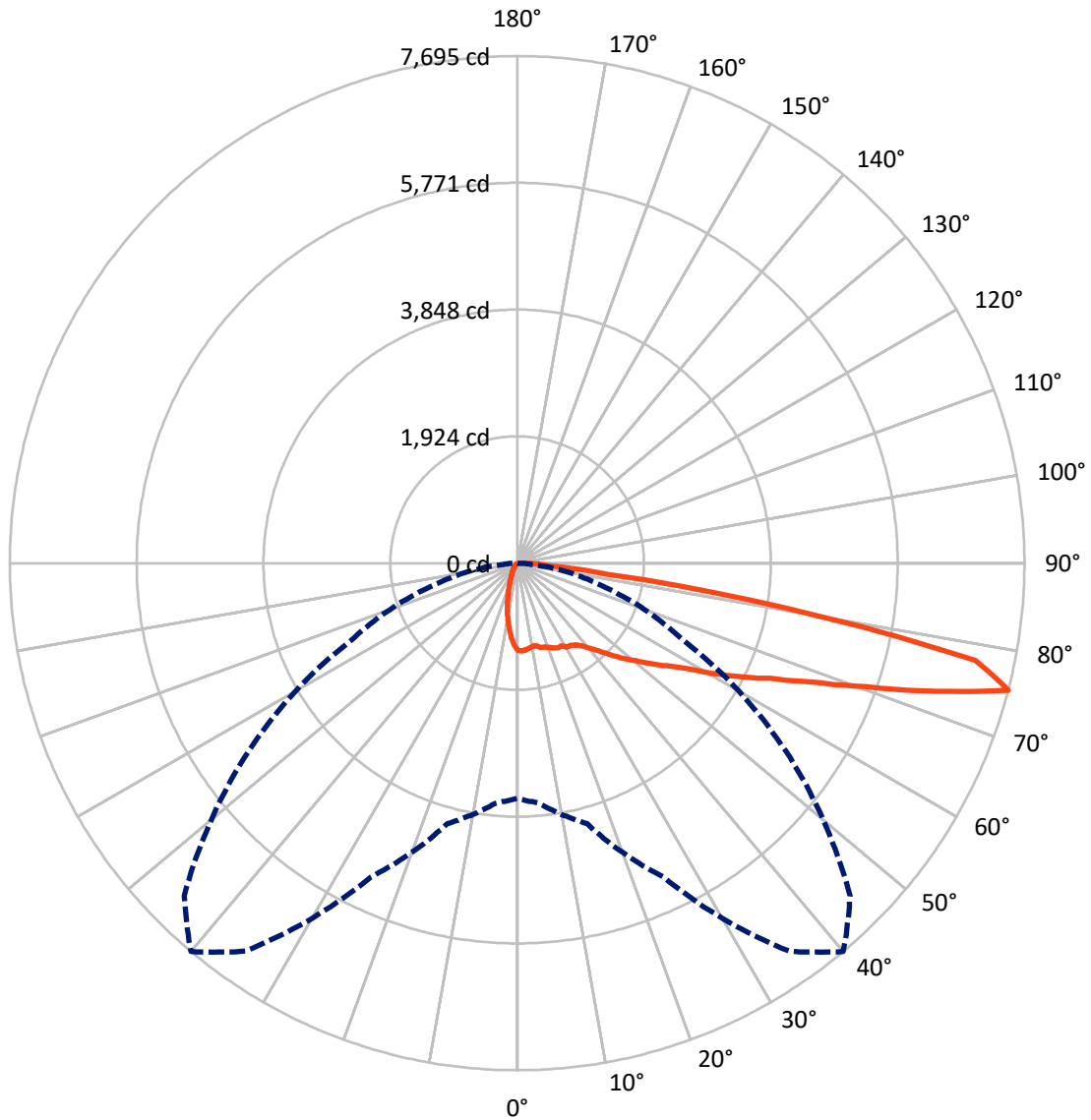
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.2 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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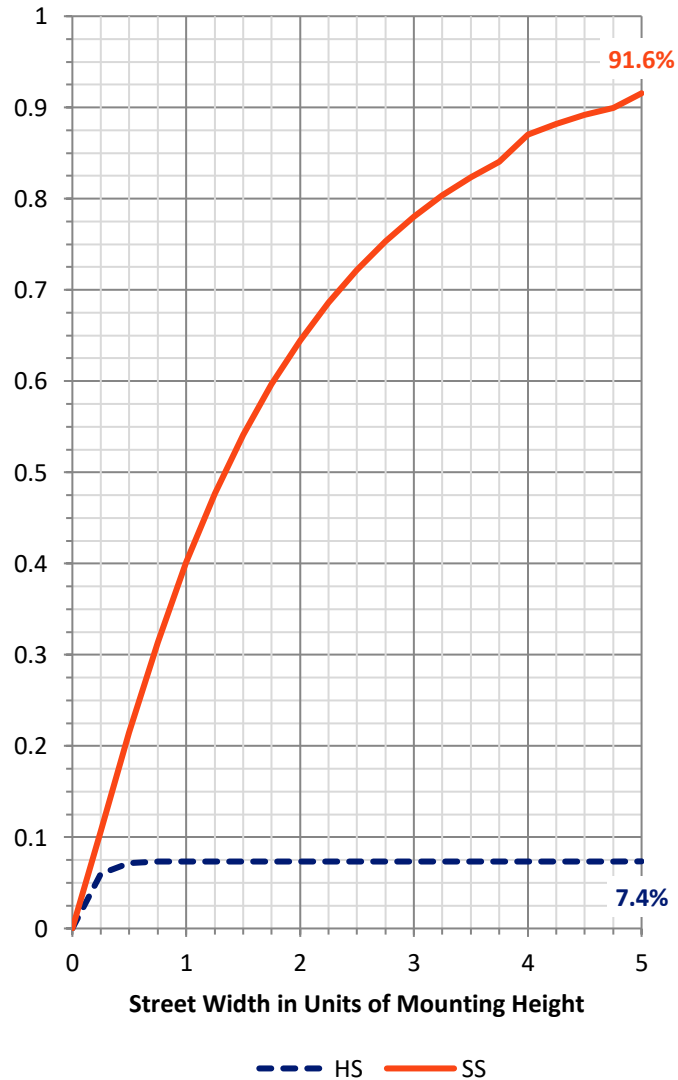
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	585.7	0.0	585.7
	% Fixture	7.4	0.0	7.4
<b>Street Side</b>	Lumens	7290.8	0.0	7290.8
	% Fixture	92.6	0.0	92.6
<b>Total</b>	Lumens	7876.5	0.0	7876.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	113.9	1.4
10°-20°	280.3	3.6
20°-30°	416.9	5.3
30°-40°	579.1	7.4
40°-50°	874.8	11.1
50°-60°	1374.2	17.4
60°-70°	1965.7	25.0
70°-80°	1957.3	24.8
80°-90°	314.3	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°	7876.5	100.0
0°-180°	7876.5	100.0

**Coefficient of Utilization**

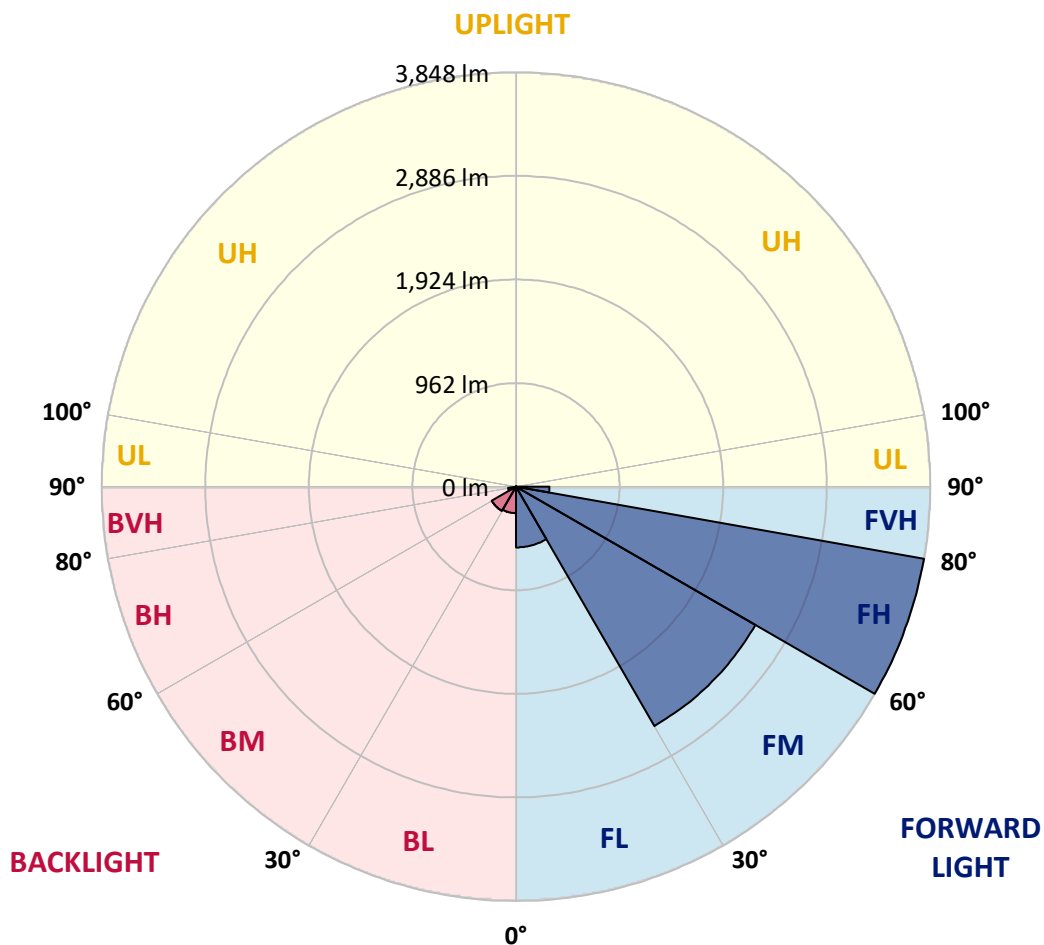


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	564.4	7.2			
FM (30°-60°)	2567.6	32.6			
FH (60°-80°)	3848.1	48.9			G2/5000
FVH (80°-90°)	310.7	3.9			G3/500
BL (0°-30°)	246.7	3.1	B1/500		
BM (30°-60°)	260.5	3.3	B1/1000		
BH (60°-80°)	74.9	1.0	B0/110		G0/110
BVH (80°-90°)	3.6	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°	1322.3	1322.3	1322.3	1322.3	1322.3	1322.3	1322.3	1322.3	1322.3	1322.3	1322.3
2.5°	1346.1	1331.8	1341.4	1317.5	1322.3	1336.6	1331.8	1331.8	1336.6	1336.6	1336.6
5°	1308.0	1336.6	1327.0	1312.7	1331.8	1322.3	1317.5	1331.8	1317.5	1312.7	1308.0
7.5°	1308.0	1303.2	1308.0	1288.9	1303.2	1303.2	1312.7	1312.7	1298.4	1298.4	1288.9
10°	1269.8	1255.4	1274.5	1274.5	1279.3	1284.1	1298.4	1288.9	1274.5	1260.2	1255.4
12.5°	1217.3	1245.9	1265.0	1284.1	1298.4	1284.1	1284.1	1303.2	1288.9	1274.5	1255.4
15°	1241.1	1226.8	1255.4	1298.4	1322.3	1331.8	1327.0	1308.0	1312.7	1288.9	1265.0
17.5°	1260.2	1245.9	1255.4	1293.6	1322.3	1336.6	1350.9	1360.5	1312.7	1303.2	1260.2
20°	1274.5	1245.9	1303.2	1331.8	1365.2	1365.2	1360.5	1360.5	1331.8	1336.6	1279.3
22.5°	1308.0	1298.4	1308.0	1370.0	1393.9	1393.9	1389.1	1389.1	1341.4	1331.8	1303.2
25°	1355.7	1346.1	1355.7	1403.4	1408.2	1427.3	1422.5	1374.8	1350.9	1360.5	1312.7
27.5°	1408.2	1389.1	1398.7	1436.8	1427.3	1422.5	1432.1	1403.4	1370.0	1403.4	1365.2
30°	1441.6	1455.9	1441.6	1484.6	1455.9	1479.8	1455.9	1403.4	1398.7	1441.6	1422.5
32.5°	1532.3	1518.0	1513.2	1513.2	1489.3	1489.3	1479.8	1451.2	1446.4	1518.0	1479.8
35°	1637.3	1599.1	1575.3	1551.4	1513.2	1522.8	1532.3	1475.0	1494.1	1613.5	1551.4
37.5°	1718.5	1708.9	1670.7	1618.2	1580.0	1589.6	1594.4	1561.0	1599.1	1751.9	1651.7
40°	1780.5	1751.9	1747.1	1732.8	1656.4	1704.2	1699.4	1651.7	1737.6	1919.0	1828.3
42.5°	1818.7	1823.5	1847.4	1809.2	1799.6	1823.5	1823.5	1804.4	1890.3	2157.6	2024.0
45°	1895.1	1890.3	1899.9	1942.8	1938.1	1981.0	1957.2	1971.5	2124.2	2439.3	2257.9
47.5°	1966.7	1981.0	1976.3	2028.8	2076.5	2157.6	2176.7	2157.6	2362.9	2749.6	2482.2
50°	2047.9	2028.8	2033.5	2167.2	2272.2	2324.7	2401.1	2377.2	2630.2	3102.8	2768.7
52.5°	2167.2	2157.6	2086.0	2339.0	2415.4	2534.8	2587.3	2625.5	2916.6	3484.7	3036.0
55°	2310.4	2267.4	2181.5	2453.6	2611.1	2749.6	2888.0	2911.9	3265.1	3814.1	3212.6
57.5°	2506.1	2429.7	2324.7	2644.6	2888.0	3012.1	3141.0	3236.5	3599.3	4062.3	3389.2
60°	2668.4	2635.0	2482.2	2806.9	3169.6	3398.8	3503.8	3637.5	3962.1	4329.6	3584.9
62.5°	2825.9	2783.0	2725.7	3093.3	3565.8	3799.8	3880.9	4019.3	4334.4	4568.3	3666.1
65°	2940.5	2916.6	2868.9	3331.9	4038.4	4219.8	4320.1	4558.7	4673.3	4649.4	3460.8
67.5°	3069.4	3055.1	3126.7	3718.6	4506.2	4807.0	4988.4	5026.6	4864.3	4429.9	2907.1
70°	3226.9	3269.9	3451.3	4119.6	5222.3	5613.7	5866.7	5503.9	4682.9	3866.6	2014.4
72.5°	3446.5	3537.2	3809.3	4764.0	6177.0	6649.6	6625.7	5671.0	4119.6	2754.3	940.4
75°	3570.6	3651.8	4090.9	5255.7	7189.0	7695.0	7141.2	4974.0	2783.0	1317.5	205.3
77.5°	3050.3	3274.7	3814.1	5379.8	7274.9	7107.8	5838.1	3026.4	1145.7	424.8	138.4
80°	1694.6	1833.0	2238.8	3437.0	4768.8	4129.1	2997.8	1188.6	453.5	262.5	133.7
82.5°	639.7	663.5	816.3	1102.7	1479.8	1384.3	988.1	682.6	300.7	148.0	43.0
85°	434.4	453.5	506.0	515.5	525.1	510.8	520.3	611.0	224.4	62.1	23.9
87.5°	257.8	272.1	300.7	286.4	281.6	272.1	334.1	596.7	76.4	19.1	4.8
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°	1322.3	1322.3	1322.3	1322.3	1322.3	1322.3	1322.3	1322.3	1322.3	1322.3	1322.3
2.5°	1317.5	1317.5	1284.1	1298.4	1274.5	1250.7	1245.9	1231.6	1226.8	1226.8	1198.2
5°	1303.2	1293.6	1245.9	1222.0	1183.8	1155.2	1117.0	1088.4	1083.6	1064.5	1045.4
7.5°	1255.4	1265.0	1217.3	1160.0	1088.4	1026.3	954.7	911.7	892.7	873.6	854.5
10°	1241.1	1226.8	1193.4	1097.9	992.9	892.7	816.3	735.1	687.4	663.5	658.8
12.5°	1231.6	1207.7	1121.8	1012.0	883.1	763.8	654.0	563.3	496.4	472.6	458.3
15°	1226.8	1212.5	1064.5	926.1	782.9	634.9	520.3	420.1	348.5	324.6	315.1
17.5°	1250.7	1193.4	1016.8	849.7	673.1	510.8	401.0	296.0	248.2	219.6	214.8
20°	1231.6	1183.8	973.8	763.8	553.7	386.7	291.2	219.6	181.4	171.8	167.1
22.5°	1245.9	1160.0	921.3	673.1	453.5	305.5	219.6	176.6	157.5	148.0	143.2
25°	1255.4	1140.9	859.2	572.8	362.8	243.5	176.6	148.0	133.7	128.9	124.1
27.5°	1308.0	1160.0	806.7	477.4	281.6	195.7	148.0	128.9	119.3	114.6	109.8
30°	1298.4	1160.0	739.9	396.2	224.4	152.8	128.9	109.8	105.0	95.5	95.5
32.5°	1350.9	1155.2	668.3	324.6	171.8	124.1	100.2	90.7	90.7	81.2	81.2
35°	1393.9	1136.1	582.4	248.2	119.3	85.9	66.8	62.1	57.3	52.5	52.5
37.5°	1441.6	1160.0	506.0	176.6	76.4	47.7	38.2	28.6	28.6	23.9	23.9
40°	1551.4	1183.8	424.8	124.1	43.0	23.9	4.8	4.8	4.8	0.0	0.0
42.5°	1670.7	1222.0	362.8	81.2	14.3	0.0	0.0	0.0	0.0	0.0	0.0
45°	1833.0	1274.5	305.5	52.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1985.8	1360.5	262.5	23.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	2176.7	1413.0	233.9	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	2362.9	1475.0	205.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	2491.8	1537.1	171.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	2615.9	1575.3	143.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	2697.1	1537.1	90.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	2654.1	1413.0	14.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	2405.9	1112.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1809.2	591.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	926.1	119.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	229.1	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°	38.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	81.2	62.1	19.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	47.7	66.8	23.9	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	33.4	52.5	19.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.8	33.4	9.5	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)