

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: P481507

Luminaire Tested: **IFLD-S-SA2C-722-U-T2-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P481507
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2C-722-U-T2-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2 distribution lens with House Side Shield
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

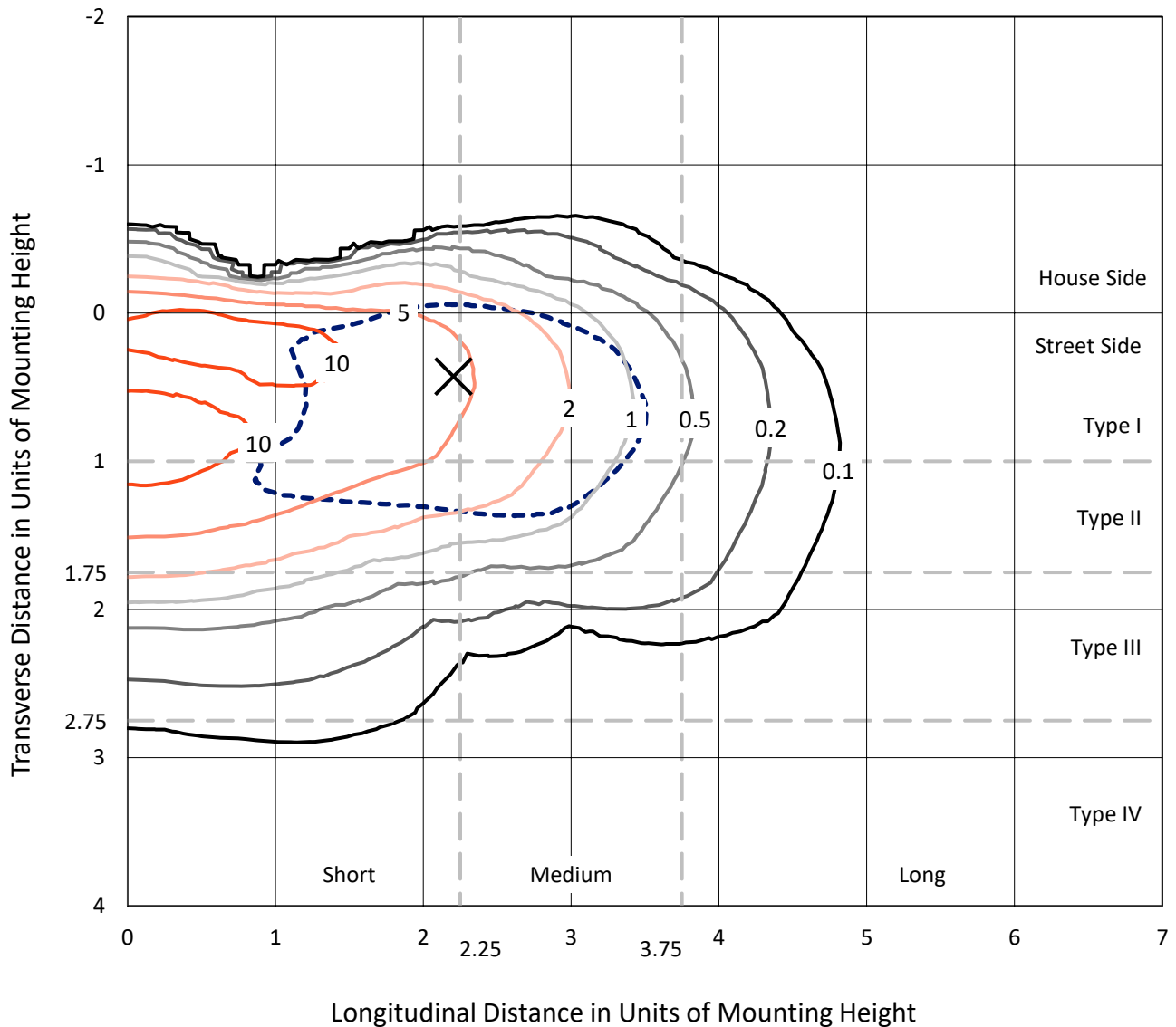
Lumens per Lamp: N/A
Luminaire Lumens: 7539.6 lumens
Efficiency: N/A
Efficacy: 69.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 108.2
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

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Iso-Footcandle Lines of Horizontal Illumination

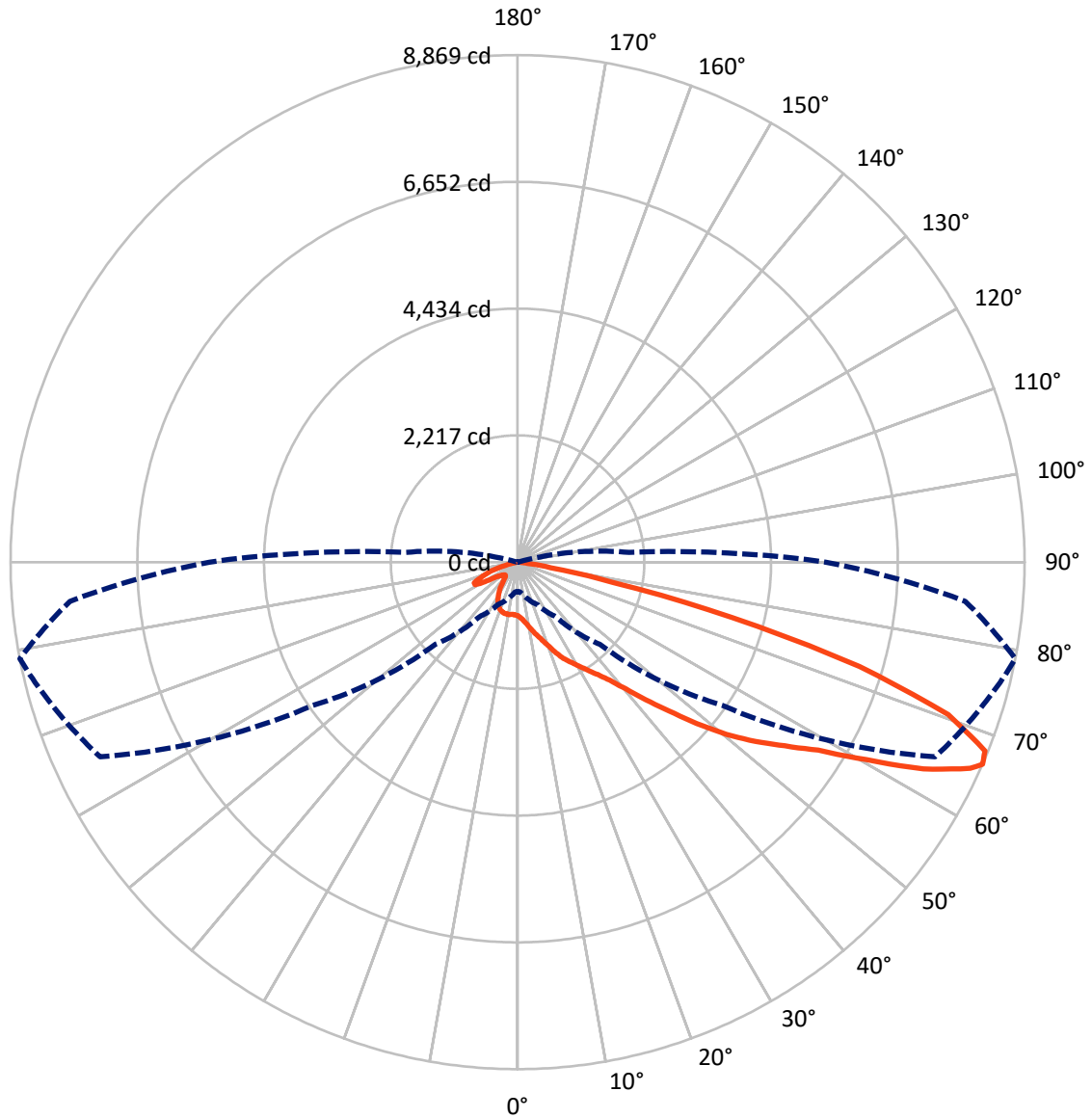
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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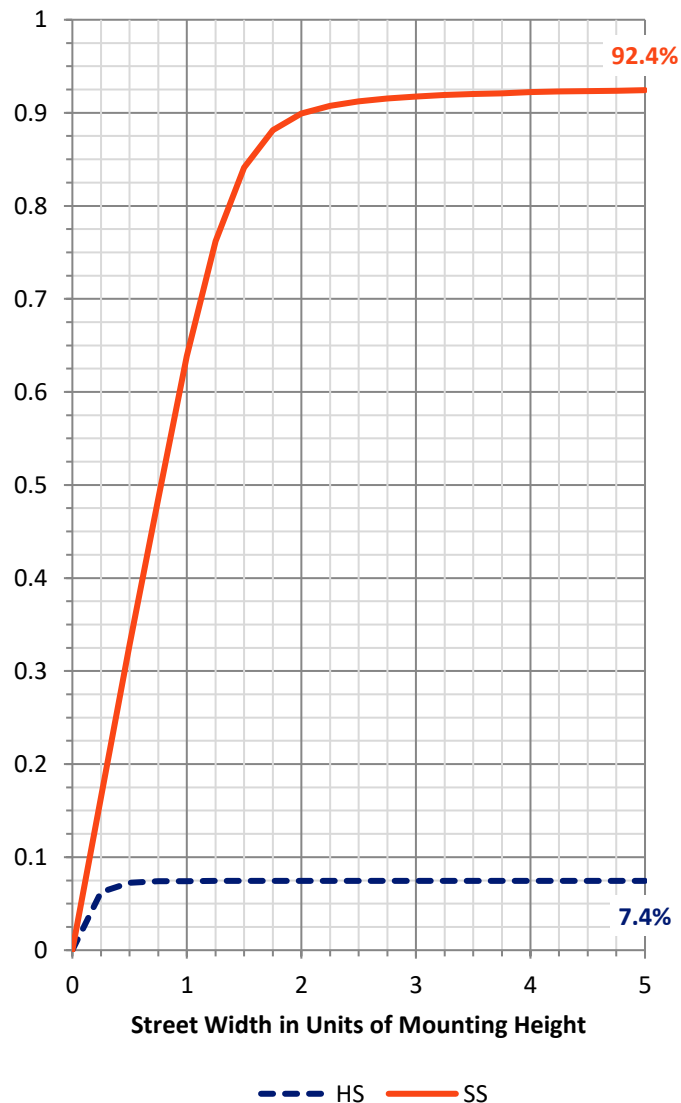
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	566.1	0.0	566.1
	% Fixture	7.5	0.0	7.5
Street Side	Lumens	6973.4	0.0	6973.4
	% Fixture	92.5	0.0	92.5
Total	Lumens	7539.6	0.0	7539.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.7	1.2
10°-20°	244.1	3.2
20°-30°	405.6	5.4
30°-40°	696.6	9.2
40°-50°	1262.0	16.7
50°-60°	1994.9	26.5
60°-70°	2030.0	26.9
70°-80°	774.1	10.3
80°-90°	43.4	0.6
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°	7539.6	100.0
0°-180°	7539.6	100.0

Coefficient of Utilization

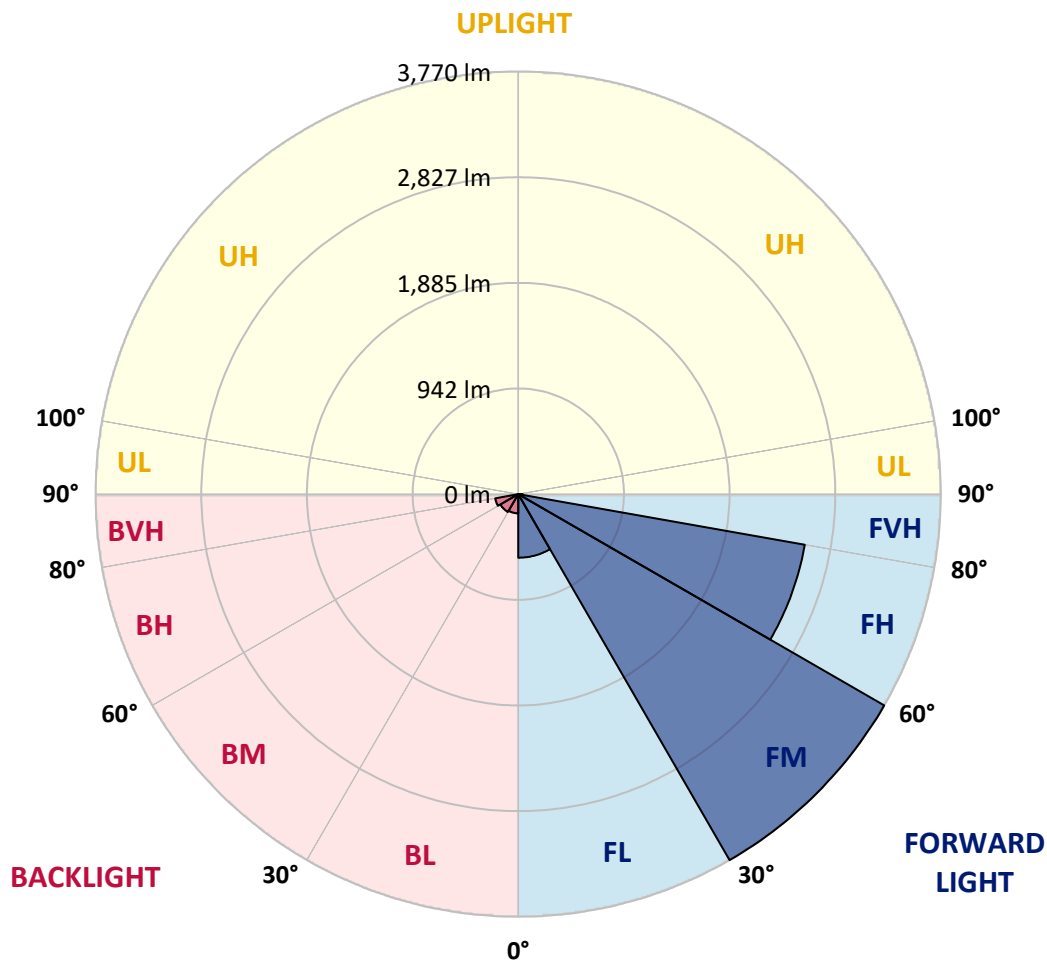


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	567.2	7.5			
FM (30°-60°)	3769.6	50.0			
FH (60°-80°)	2595.4	34.4			G2/5000
FVH (80°-90°)	41.2	0.5			G1/100
BL (0°-30°)	171.2	2.3	B1/500		
BM (30°-60°)	184.0	2.4	B0/220		
BH (60°-80°)	208.7	2.8	B1/500		G1/500
BVH (80°-90°)	2.2	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	938.0	938.0	938.0	938.0	938.0	938.0	938.0	938.0	938.0	938.0	938.0
2.5°	1062.4	1061.2	1056.6	1048.4	1038.0	1034.5	1019.4	998.5	986.8	974.0	968.2
5°	1135.6	1129.8	1143.7	1137.9	1140.3	1112.4	1093.8	1078.7	1034.5	1017.1	989.2
7.5°	1151.9	1157.7	1156.5	1165.8	1175.1	1185.6	1172.8	1150.7	1106.6	1081.0	1050.8
10°	1151.9	1149.6	1158.9	1171.6	1198.4	1221.6	1256.5	1227.4	1193.7	1163.5	1108.9
12.5°	1131.0	1127.5	1136.8	1163.5	1211.2	1258.8	1297.2	1325.1	1277.4	1253.0	1182.1
15°	1067.0	1063.5	1101.9	1149.6	1212.3	1290.2	1370.4	1415.7	1383.2	1344.8	1265.8
17.5°	988.0	992.6	1033.3	1112.4	1212.3	1305.3	1407.6	1506.4	1501.7	1452.9	1370.4
20°	961.3	964.7	1005.4	1062.4	1176.3	1315.8	1465.7	1605.2	1633.1	1575.0	1466.9
22.5°	1012.4	1008.9	1012.4	1047.3	1151.9	1306.5	1504.1	1717.9	1767.9	1722.6	1593.6
25°	1186.8	1184.4	1155.4	1101.9	1137.9	1285.6	1523.8	1792.3	1907.4	1865.6	1695.9
27.5°	1442.5	1433.2	1387.8	1276.3	1203.0	1298.3	1556.4	1864.4	2029.5	1981.8	1787.7
30°	1716.8	1694.7	1635.4	1495.9	1371.6	1346.0	1575.0	1917.9	2165.4	2105.0	1867.9
32.5°	1906.2	1935.3	1916.7	1774.9	1584.3	1456.4	1605.2	1985.3	2291.0	2251.5	2005.0
35°	2199.2	2232.9	2155.0	2029.5	1837.7	1631.9	1669.1	2039.9	2483.9	2417.7	2132.9
37.5°	2568.8	2594.3	2538.6	2300.3	2098.0	1848.1	1800.5	2153.8	2650.1	2618.8	2296.8
40°	2754.8	2878.0	2798.9	2583.9	2366.5	2150.3	2017.8	2287.5	2939.6	2914.0	2523.4
42.5°	3011.6	3073.2	3032.6	2873.3	2646.7	2473.5	2286.3	2547.9	3290.6	3290.6	2830.3
45°	3283.6	3285.9	3283.6	3153.4	2952.4	2862.9	2649.0	2874.5	3668.4	3710.2	3197.6
47.5°	3506.8	3576.5	3570.7	3492.8	3337.1	3303.4	3011.6	3246.4	4142.6	4215.8	3555.6
50°	3621.9	3699.7	3723.0	3763.7	3756.7	3827.6	3408.0	3677.7	4551.7	4731.9	4015.9
52.5°	3590.5	3596.3	3739.3	3899.7	4155.4	4354.1	3885.7	4167.0	5030.6	5208.5	4371.6
55°	3333.6	3311.5	3605.6	3789.2	4318.1	4676.1	4547.1	4777.2	5403.7	5674.6	4738.9
57.5°	2769.9	2775.7	3047.7	3420.8	4197.2	4804.0	5253.8	5574.6	5926.8	6199.9	5255.0
60°	1912.1	1905.1	2209.6	2640.8	3487.0	4565.7	5660.6	6607.9	6626.5	7013.6	6181.3
62.5°	1075.2	1077.5	1308.8	1677.3	2439.8	3731.1	5640.9	7705.2	7626.1	7965.5	7234.4
65°	609.1	624.2	783.4	993.8	1461.1	2504.8	4851.6	8142.2	8396.8	8699.0	7873.7
66°	514.9	525.4	661.4	820.6	1165.8	2031.8	4366.9	8057.4	8638.5	8868.7	7860.9
67.5°	398.7	412.6	526.5	650.9	855.5	1406.4	3514.9	7635.4	8682.7	8817.5	7638.9
70°	273.2	282.4	369.6	494.0	584.7	719.5	2101.5	6312.7	7878.4	7992.3	6639.3
72.5°	191.8	196.4	259.2	374.3	449.8	411.5	1042.6	4491.3	6029.1	6251.1	5164.3
75°	138.3	143.0	177.8	268.5	351.0	269.7	477.7	2868.7	3697.4	3871.8	3110.4
77.5°	100.0	105.8	120.9	173.2	254.6	189.5	234.8	1498.3	1743.5	1713.3	1337.9
80°	60.4	66.3	89.5	111.6	186.0	133.7	129.0	625.3	618.4	587.0	420.8
82.5°	27.9	32.5	47.7	75.6	130.2	93.0	61.6	223.2	195.3	179.0	118.6
85°	8.1	10.5	27.9	57.0	66.3	45.3	37.2	76.7	80.2	68.6	39.5
87.5°	0.0	1.2	12.8	13.9	19.8	15.1	13.9	19.8	37.2	30.2	12.8
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°	938.0	938.0	938.0	938.0	938.0	938.0	938.0	938.0	938.0	938.0	938.0
2.5°	947.3	939.2	919.4	889.2	862.5	848.5	828.8	811.3	802.0	800.9	799.7
5°	970.6	948.5	900.8	846.2	805.5	761.3	731.1	709.0	688.1	668.3	680.0
7.5°	1001.9	967.1	889.2	818.3	730.0	673.0	619.5	588.1	569.5	552.1	549.8
10°	1050.8	1006.6	881.1	753.2	652.1	568.4	513.8	468.4	442.9	412.6	424.3
12.5°	1117.0	1038.0	850.8	693.9	563.7	475.4	397.5	324.3	283.6	252.2	253.4
15°	1183.3	1079.8	822.9	621.9	483.5	367.3	253.4	203.4	191.8	184.8	187.1
17.5°	1248.4	1113.5	779.9	548.6	391.7	233.6	184.8	174.4	168.5	161.6	161.6
20°	1327.4	1135.6	726.5	481.2	269.7	173.2	158.1	151.1	141.8	132.5	133.7
22.5°	1404.1	1154.2	664.9	395.2	181.3	149.9	132.5	123.2	115.1	105.8	105.8
25°	1480.8	1160.0	584.7	283.6	146.5	119.7	103.4	90.7	82.5	74.4	75.6
27.5°	1533.1	1124.0	509.1	181.3	117.4	90.7	72.1	61.6	54.6	46.5	46.5
30°	1563.4	1057.7	427.7	127.9	88.3	61.6	43.0	32.5	25.6	19.8	18.6
32.5°	1593.6	1004.3	335.9	97.6	58.1	32.5	16.3	5.8	0.0	0.0	0.0
35°	1654.0	943.8	225.5	54.6	19.8	1.2	0.0	0.0	0.0	0.0	0.0
37.5°	1692.4	860.1	103.4	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	1788.8	818.3	25.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	1945.8	789.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	2117.8	777.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	2346.8	809.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	2588.5	893.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	2853.6	974.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	3084.9	1070.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	3510.3	1298.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	4273.9	1745.8	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	5134.1	2078.3	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	5449.1	2070.1	22.1	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	5393.3	1956.2	22.1	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	5103.8	1737.7	19.8	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	4383.2	1435.5	19.8	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	3341.7	1118.2	18.6	4.6	1.2	0.0	0.0	0.0	0.0	0.0	0.0
75°	2016.7	595.1	15.1	5.8	2.3	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	803.2	209.2	11.6	4.6	2.3	0.0	0.0	0.0	0.0	0.0	0.0
80°	217.4	62.8	7.0	4.6	3.5	1.2	0.0	0.0	0.0	0.0	0.0
82.5°	57.0	23.2	5.8	4.6	2.3	1.2	0.0	0.0	0.0	0.0	0.0
85°	22.1	9.3	4.6	3.5	3.5	2.3	1.2	0.0	0.0	0.0	0.0
87.5°	7.0	3.5	3.5	2.3	2.3	1.2	1.2	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)