

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: INVUE

Report Number: P673526

Luminaire Tested: **CCP-SA-2D-727-U-T4W-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P673526
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-727-U-T4W-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ T4W distribution lens and House Side Shield
Light Source: (32) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

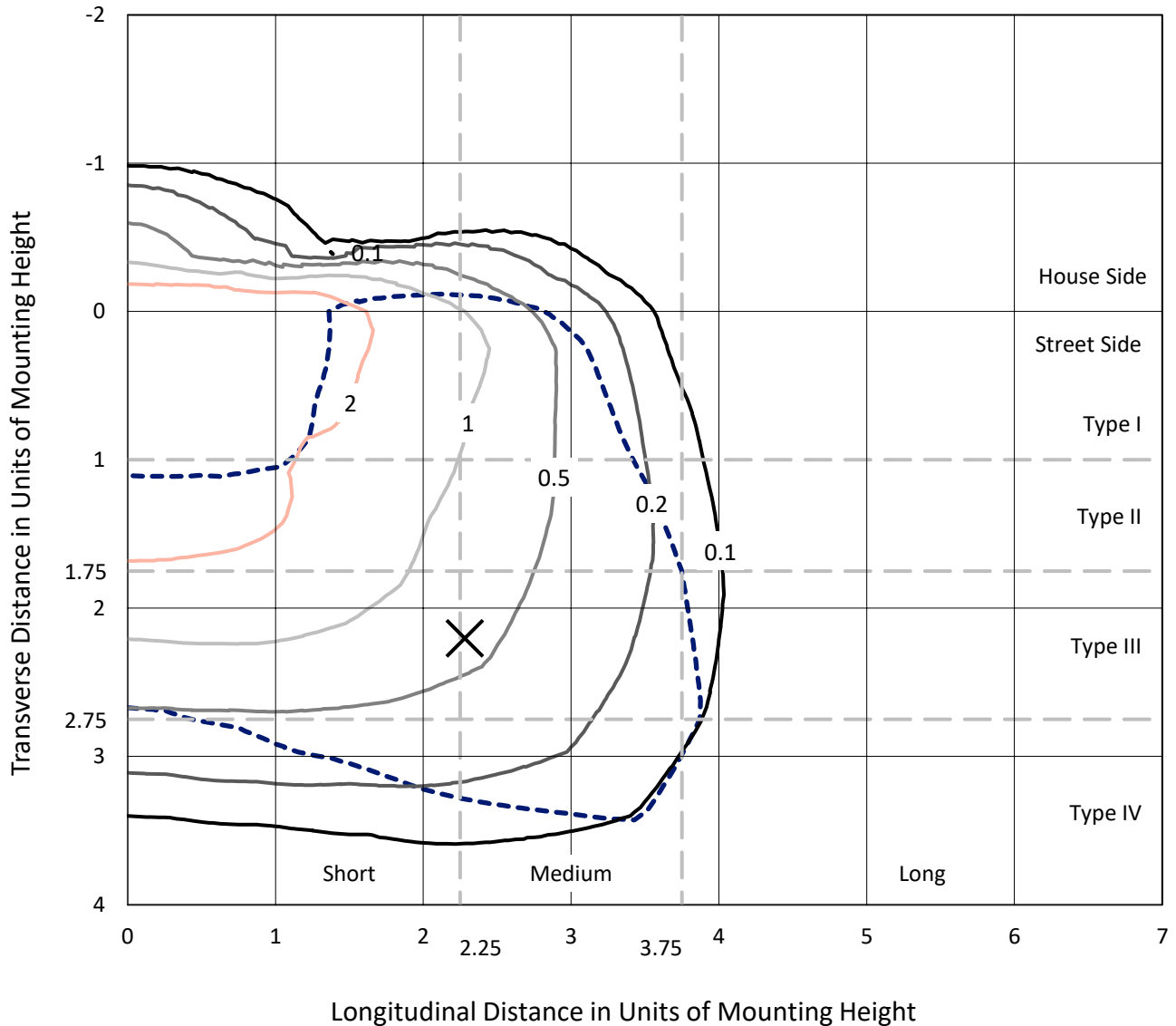
Lumens per Lamp: N/A
Luminaire Lumens: 6729.3 lumens
Efficiency: N/A
Efficacy: 83.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 80.8
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: 25 FT

REPORT NUMBER: P673526
 CATALOG NUMBER: CCP-SA-2D-727-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination

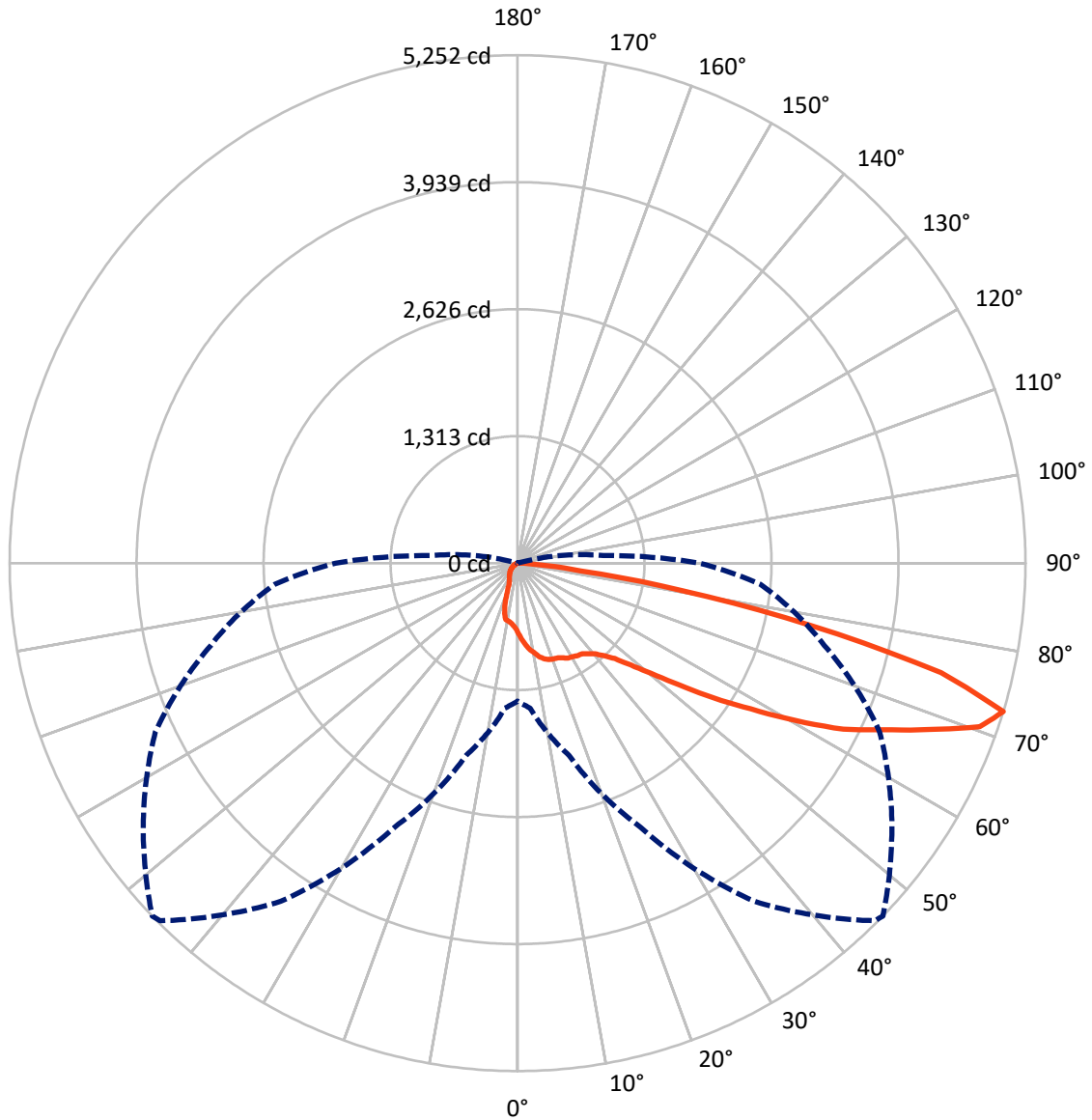
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.7 fc
 Type IV - Medium - N/A

REPORT NUMBER: P673526
CATALOG NUMBER: CCP-SA-2D-727-U-T4W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P673526

CATALOG NUMBER: CCP-SA-2D-727-U-T4W-HSS

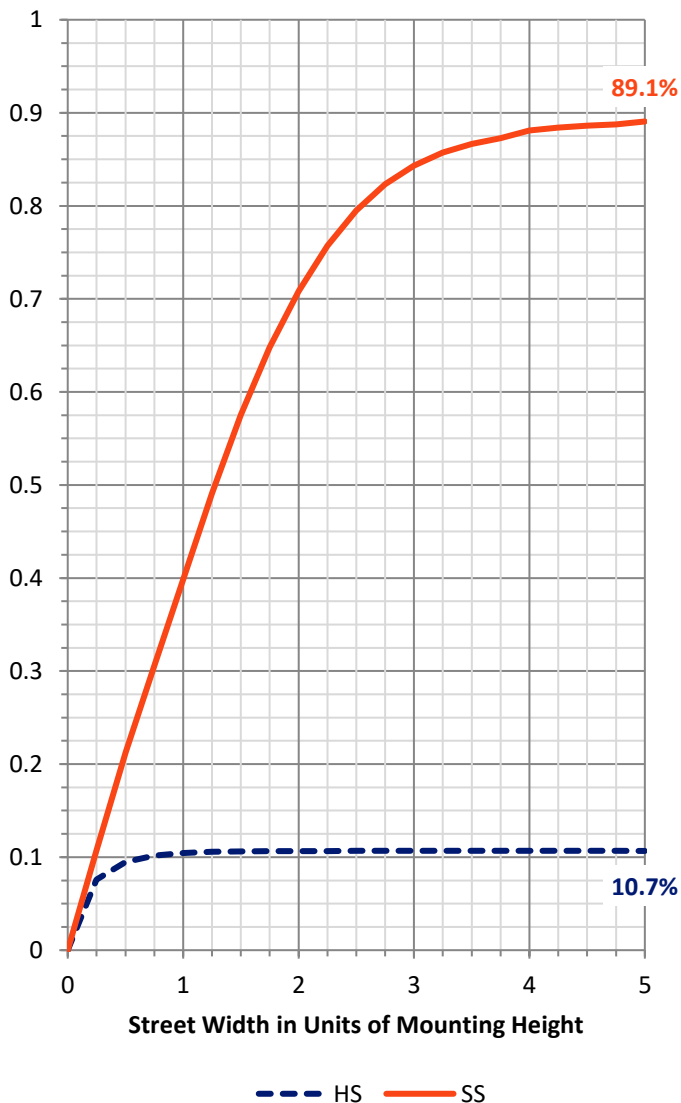
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	724.5	0.0	724.5
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	6004.8	0.0	6004.8
	% Fixture	89.2	0.0	89.2
Total	Lumens	6729.3	0.0	6729.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.0	1.1
10°-20°	217.3	3.2
20°-30°	340.2	5.1
30°-40°	476.5	7.1
40°-50°	785.7	11.7
50°-60°	1412.2	21.0
60°-70°	2046.8	30.4
70°-80°	1277.4	19.0
80°-90°	101.2	1.5
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°	6729.3	100.0
0°-180°	6729.3	100.0



REPORT NUMBER: P673526

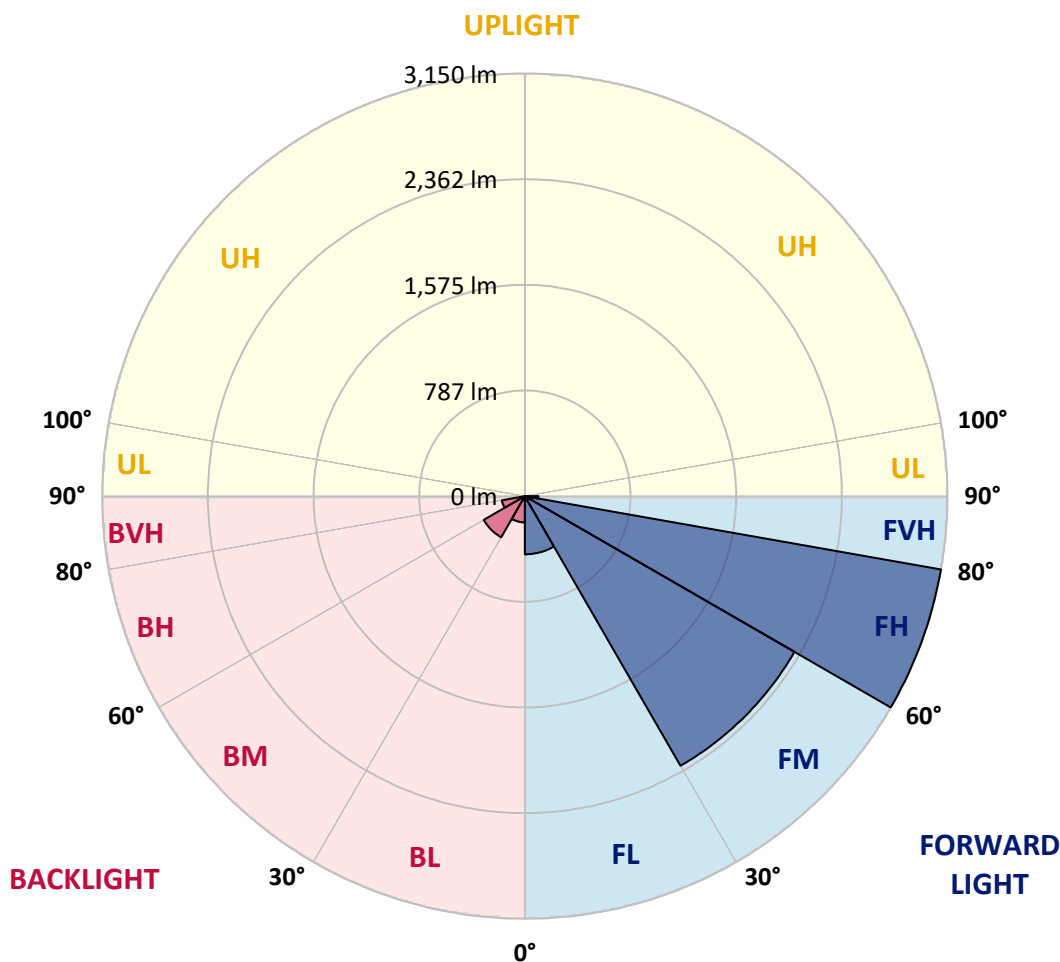
CATALOG NUMBER: CCP-SA-2D-727-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	433.7	6.4			
FM (30°-60°)	2320.4	34.5			
FH (60°-80°)	3150.0	46.8			G2/5000
FVH (80°-90°)	100.7	1.5			G2/225
BL (0°-30°)	195.8	2.9	B1/500		
BM (30°-60°)	353.9	5.3	B1/1000		
BH (60°-80°)	174.2	2.6	B1/500		G1/500
BVH (80°-90°)	0.5	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





REPORT NUMBER: P673526

CATALOG NUMBER: CCP-SA-2D-727-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	719.2	719.2	719.2	719.2	719.2	719.2	719.2	719.2	719.2	719.2	719.2
2.5°	805.0	801.6	806.7	805.0	784.4	787.9	786.1	772.4	748.4	734.6	726.1
5°	897.7	906.3	899.4	884.0	872.0	847.9	844.5	822.2	784.4	760.4	734.6
7.5°	993.8	993.8	980.1	956.1	930.3	904.6	901.1	863.4	830.8	789.6	753.5
10°	1065.9	1057.3	1047.0	1021.3	992.1	957.8	940.6	913.2	877.1	827.3	781.0
12.5°	1129.4	1115.7	1098.5	1060.8	1026.4	988.7	992.1	947.5	923.5	878.8	810.2
15°	1165.5	1153.5	1138.0	1103.7	1050.5	1033.3	1026.4	999.0	956.1	911.4	846.2
17.5°	1174.1	1165.5	1144.9	1100.3	1071.1	1050.5	1048.8	1016.1	997.3	959.5	887.4
20°	1156.9	1141.4	1126.0	1096.8	1069.4	1062.5	1057.3	1057.3	1033.3	983.5	913.2
22.5°	1127.7	1110.6	1102.0	1084.8	1062.5	1060.8	1064.2	1060.8	1041.9	1009.3	940.6
25°	1105.4	1096.8	1083.1	1077.9	1064.2	1090.0	1084.8	1079.7	1074.5	1036.7	983.5
27.5°	1112.3	1110.6	1100.3	1079.7	1069.4	1096.8	1112.3	1114.0	1112.3	1074.5	1023.0
30°	1115.7	1107.1	1096.8	1091.7	1095.1	1122.6	1122.6	1160.3	1144.9	1107.1	1062.5
32.5°	1155.2	1150.0	1115.7	1103.7	1105.4	1138.0	1139.7	1177.5	1172.3	1146.6	1096.8
35°	1239.3	1205.0	1155.2	1120.9	1120.9	1163.8	1150.0	1205.0	1218.7	1177.5	1120.9
37.5°	1364.6	1338.8	1249.6	1172.3	1143.2	1174.1	1187.8	1218.7	1259.9	1223.8	1168.9
40°	1613.5	1608.3	1481.3	1314.8	1199.8	1227.3	1232.4	1280.5	1307.9	1258.2	1242.7
42.5°	1977.4	1951.6	1833.2	1570.6	1302.8	1290.8	1309.7	1340.6	1405.8	1364.6	1326.8
45°	2332.7	2320.7	2202.2	1908.7	1489.9	1417.8	1407.5	1462.4	1558.5	1513.9	1484.7
47.5°	2590.1	2566.1	2499.2	2252.0	1764.5	1567.1	1574.0	1628.9	1750.8	1716.5	1725.0
50°	2787.5	2775.5	2705.1	2569.5	2111.2	1802.3	1788.6	1843.5	2008.3	2030.6	2054.6
52.5°	3003.8	3026.1	2931.7	2816.7	2521.5	2118.1	2087.2	2106.1	2318.9	2370.4	2437.4
55°	3211.5	3247.5	3153.1	3137.7	2950.6	2468.3	2463.1	2418.5	2693.1	2700.0	2736.0
57.5°	3347.1	3335.1	3328.2	3412.3	3379.7	2869.9	2844.2	2799.6	3048.4	3003.8	3111.9
60°	3357.4	3391.7	3506.7	3714.4	3772.8	3342.0	3304.2	3182.3	3355.7	3249.3	3455.2
62.5°	3434.6	3462.1	3674.9	3961.6	4037.1	3757.3	3783.1	3474.1	3618.3	3534.2	3836.3
65°	3239.0	3324.8	3752.2	4153.8	4383.8	4177.9	4152.1	3850.0	3887.8	3808.8	4212.2
67.5°	3062.2	3094.8	3541.1	4212.2	4658.5	4600.1	4589.8	4183.0	4165.9	4020.0	4318.6
70°	2488.9	2528.4	2969.5	3913.5	4751.2	5092.7	5068.7	4649.9	4354.7	3905.0	3772.8
72.5°	1426.4	1505.3	2058.0	3014.1	4268.8	5230.1	5252.4	4725.4	4131.5	3283.6	2519.8
75°	466.9	489.2	854.8	1707.9	3192.6	4562.4	4522.9	4061.2	3333.4	2167.9	1138.0
77.5°	157.9	161.3	252.3	617.9	1769.7	3082.8	3105.1	2902.5	2047.7	901.1	314.1
80°	80.7	85.8	123.6	231.7	727.8	1678.7	1714.7	1654.7	858.2	266.1	75.5
82.5°	37.8	39.5	72.1	128.7	333.0	659.1	659.1	724.3	303.8	149.3	30.9
85°	13.7	13.7	37.8	73.8	140.7	219.7	221.4	223.1	159.6	111.6	13.7
87.5°	5.1	5.1	18.9	30.9	51.5	66.9	66.9	53.2	80.7	73.8	5.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P673526
 CATALOG NUMBER: CCP-SA-2D-727-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	719.2	719.2	719.2	719.2	719.2	719.2	719.2	719.2	719.2	719.2	719.2
2.5°	722.6	712.3	703.7	691.7	676.3	667.7	669.4	659.1	659.1	654.0	652.3
5°	722.6	712.3	690.0	669.4	655.7	638.5	629.9	623.1	623.1	619.6	621.4
7.5°	727.8	712.3	681.4	654.0	631.7	614.5	600.8	599.0	595.6	587.0	593.9
10°	758.7	736.4	684.9	647.1	621.4	602.5	578.4	571.6	561.3	545.8	547.6
12.5°	784.4	755.2	708.9	657.4	624.8	593.9	539.0	478.9	453.1	425.7	427.4
15°	822.2	781.0	717.5	671.1	624.8	525.2	425.7	348.4	307.2	286.6	286.6
17.5°	842.8	808.5	741.5	679.7	575.0	427.4	302.1	235.2	228.3	231.7	231.7
20°	885.7	839.4	769.0	686.6	492.6	303.8	221.4	214.6	218.0	224.9	223.1
22.5°	913.2	866.8	789.6	655.7	381.1	218.0	207.7	204.3	207.7	216.3	216.3
25°	935.5	906.3	822.2	580.2	269.5	197.4	194.0	197.4	200.8	204.3	209.4
27.5°	990.4	940.6	844.5	482.3	194.0	183.7	187.1	188.8	188.8	194.0	195.7
30°	1026.4	987.0	861.7	372.5	171.6	169.9	173.4	175.1	176.8	181.9	183.7
32.5°	1060.8	1047.0	839.4	252.3	161.3	157.9	156.2	157.9	164.8	169.9	168.2
35°	1110.6	1102.0	806.7	175.1	151.0	144.2	140.7	142.5	147.6	152.8	151.0
37.5°	1170.6	1179.2	727.8	152.8	140.7	132.2	125.3	125.3	127.0	132.2	133.9
40°	1241.0	1263.3	635.1	142.5	133.9	123.6	116.7	108.1	106.4	104.7	106.4
42.5°	1369.7	1395.5	530.4	135.6	123.6	111.6	101.3	91.0	82.4	77.2	77.2
45°	1550.0	1529.4	393.1	128.7	118.4	101.3	85.8	73.8	61.8	56.6	56.6
47.5°	1798.9	1728.5	269.5	121.9	109.9	89.3	72.1	56.6	46.3	41.2	41.2
50°	2143.9	1912.1	175.1	115.0	104.7	77.2	58.4	41.2	34.3	32.6	34.3
52.5°	2470.0	2099.2	139.0	106.4	94.4	66.9	44.6	34.3	30.9	29.2	29.2
55°	2770.4	2193.6	123.6	97.8	85.8	54.9	37.8	29.2	27.5	25.7	25.7
57.5°	3024.4	2226.3	106.4	85.8	68.7	42.9	30.9	25.7	22.3	20.6	20.6
60°	3244.1	2234.8	82.4	68.7	49.8	32.6	25.7	22.3	18.9	15.4	15.4
62.5°	3419.2	2174.8	58.4	48.1	34.3	25.7	22.3	15.4	10.3	6.9	5.1
65°	3558.2	2054.6	39.5	32.6	22.3	18.9	13.7	6.9	1.7	0.0	0.0
67.5°	3395.2	1781.7	30.9	24.0	15.4	12.0	6.9	1.7	0.0	0.0	0.0
70°	2768.7	1381.8	22.3	15.4	10.3	3.4	1.7	0.0	0.0	0.0	0.0
72.5°	1884.7	890.8	17.2	10.3	5.1	1.7	0.0	0.0	0.0	0.0	0.0
75°	846.2	319.3	12.0	6.9	1.7	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	206.0	75.5	8.6	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	54.9	18.9	5.1	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	20.6	6.9	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	8.6	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.4	1.7	0.0	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)