

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: P673527

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

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P673527
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-727-U-T4W-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ T4W distribution lens and House Side Shield
Light Source: (32) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

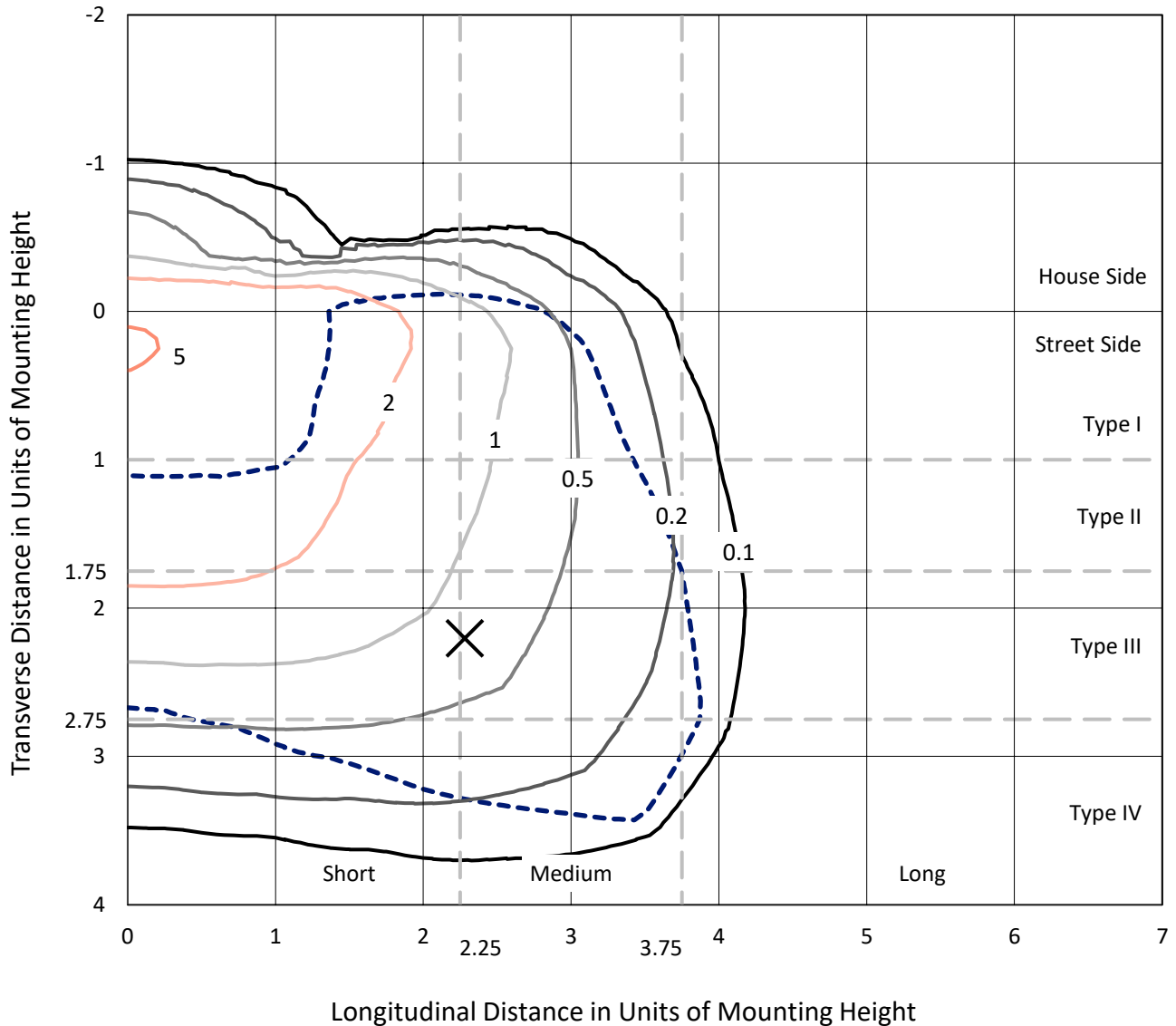
Lumens per Lamp: N/A
Luminaire Lumens: 8250 lumens
Efficiency: N/A
Efficacy: 77.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 106.6
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: P673527
 CATALOG NUMBER: CCP-SA-2E-727-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination

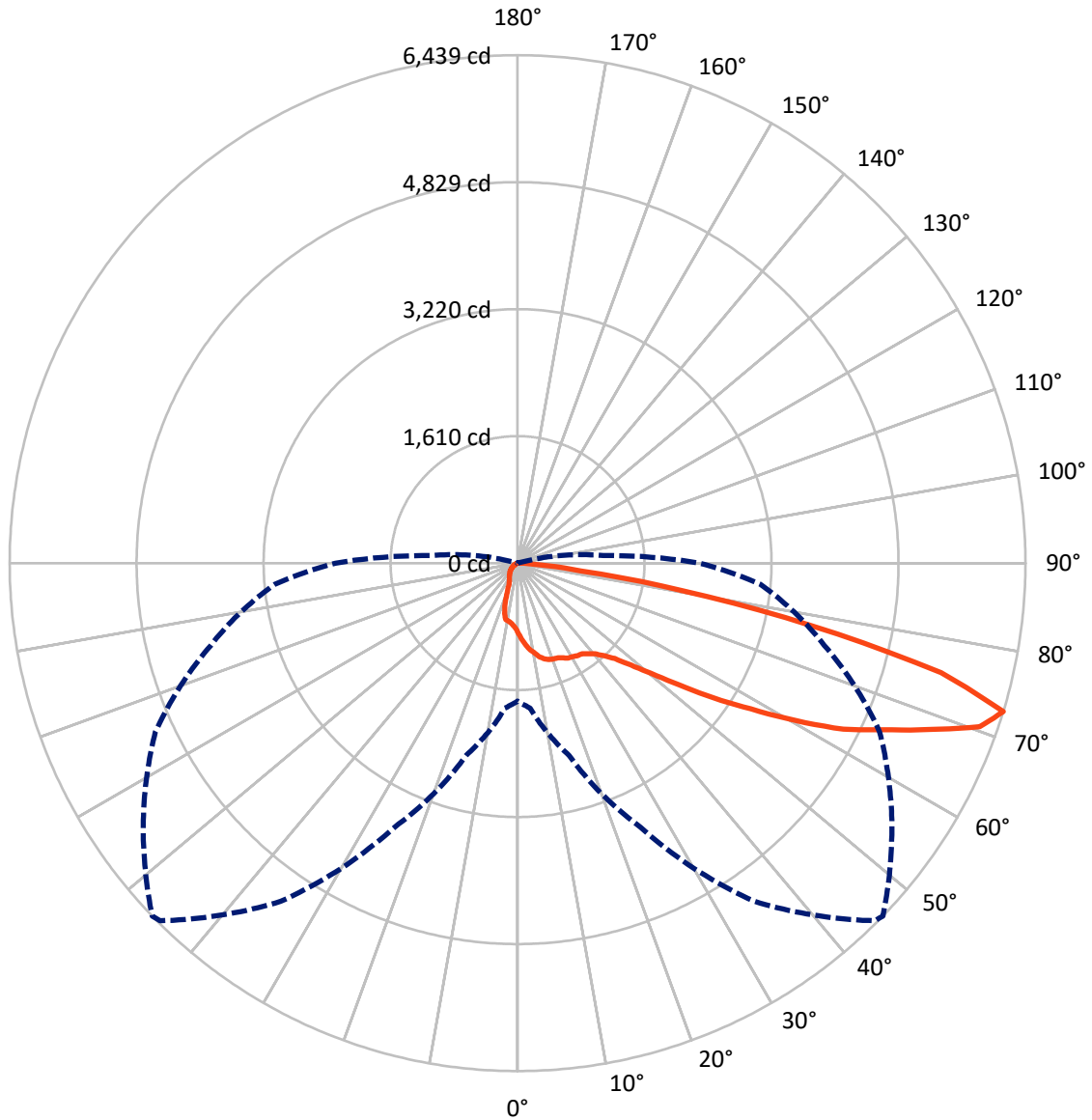
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.7 fc
 Type IV - Medium - N/A

REPORT NUMBER: P673527
CATALOG NUMBER: CCP-SA-2E-727-U-T4W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P673527
 CATALOG NUMBER: CCP-SA-2E-727-U-T4W-HSS

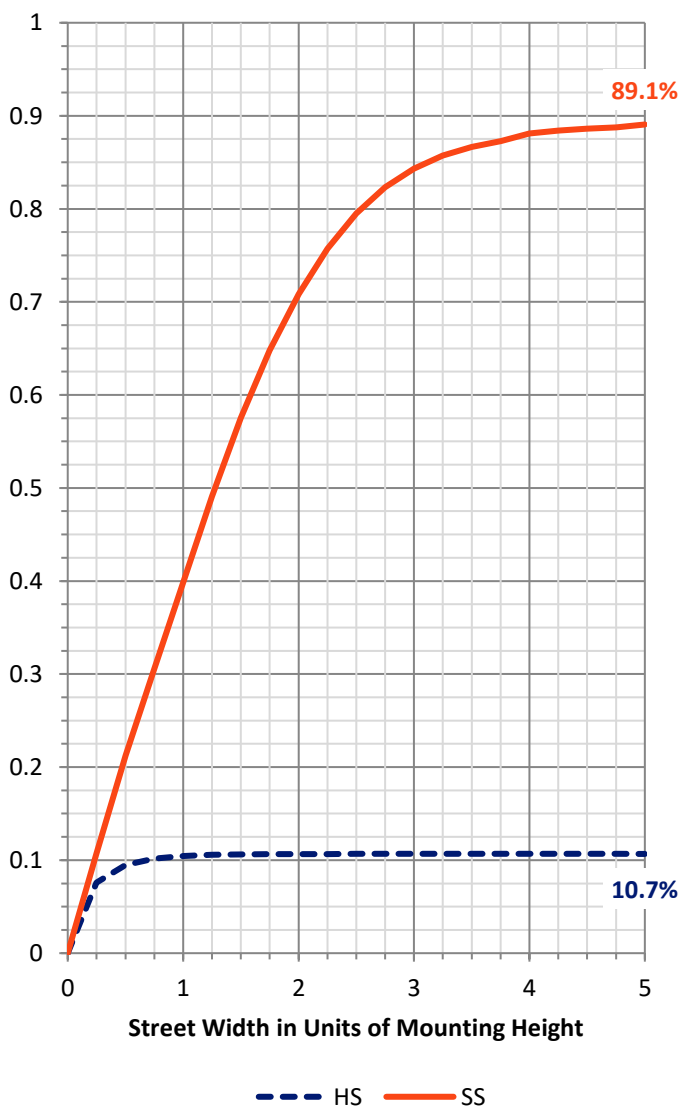
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	888.2	0.0	888.2
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	7361.8	0.0	7361.8
	% Fixture	89.2	0.0	89.2
Total	Lumens	8250.0	0.0	8250.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.3	1.1
10°-20°	266.4	3.2
20°-30°	417.1	5.1
30°-40°	584.1	7.1
40°-50°	963.2	11.7
50°-60°	1731.3	21.0
60°-70°	2509.3	30.4
70°-80°	1566.1	19.0
80°-90°	124.1	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°	8250.0	100.0
0°-180°	8250.0	100.0



REPORT NUMBER: P673527

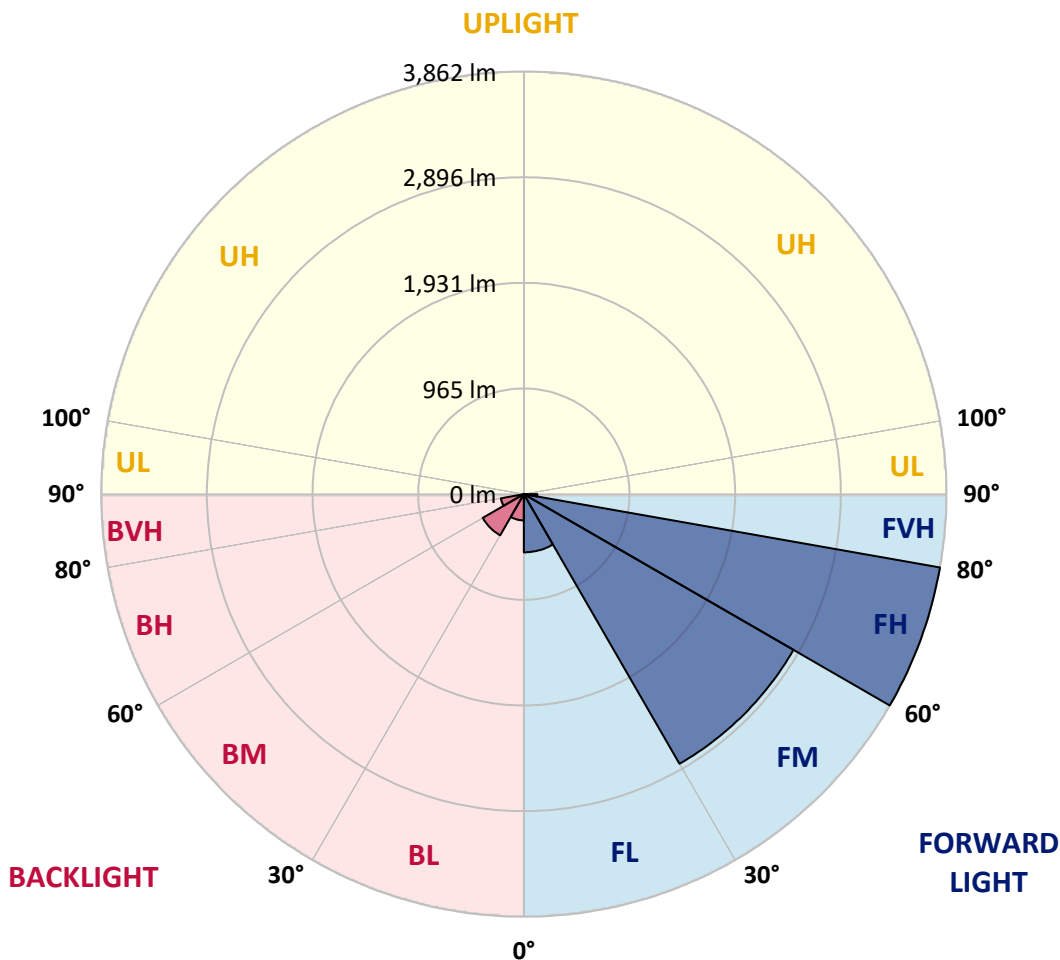
CATALOG NUMBER: CCP-SA-2E-727-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	531.8	6.4			
FM (30°-60°)	2844.8	34.5			
FH (60°-80°)	3861.8	46.8			G2/5000
FVH (80°-90°)	123.5	1.5			G2/225
BL (0°-30°)	240.0	2.9	B1/500		
BM (30°-60°)	433.9	5.3	B1/1000		
BH (60°-80°)	213.6	2.6	B1/500		G1/500
BVH (80°-90°)	0.7	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: P673527

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	881.7	881.7	881.7	881.7	881.7	881.7	881.7	881.7	881.7	881.7	881.7
2.5°	986.9	982.7	989.0	986.9	961.7	965.9	963.8	947.0	917.5	900.7	890.1
5°	1100.6	1111.1	1102.7	1083.7	1069.0	1039.5	1035.3	1008.0	961.7	932.2	900.7
7.5°	1218.4	1218.4	1201.6	1172.1	1140.6	1109.0	1104.8	1058.5	1018.5	968.0	923.8
10°	1306.8	1296.3	1283.7	1252.1	1216.3	1174.2	1153.2	1119.5	1075.3	1014.3	957.5
12.5°	1384.7	1367.8	1346.8	1300.5	1258.4	1212.1	1216.3	1161.6	1132.1	1077.4	993.3
15°	1428.9	1414.1	1395.2	1353.1	1287.9	1266.8	1258.4	1224.7	1172.1	1117.4	1037.4
17.5°	1439.4	1428.9	1403.6	1348.9	1313.1	1287.9	1285.8	1245.8	1222.6	1176.3	1087.9
20°	1418.3	1399.4	1380.5	1344.7	1311.0	1302.6	1296.3	1296.3	1266.8	1205.8	1119.5
22.5°	1382.6	1361.5	1351.0	1329.9	1302.6	1300.5	1304.7	1300.5	1277.3	1237.4	1153.2
25°	1355.2	1344.7	1327.8	1321.5	1304.7	1336.3	1329.9	1323.6	1317.3	1271.0	1205.8
27.5°	1363.6	1361.5	1348.9	1323.6	1311.0	1344.7	1363.6	1365.7	1363.6	1317.3	1254.2
30°	1367.8	1357.3	1344.7	1338.4	1342.6	1376.2	1376.2	1422.5	1403.6	1357.3	1302.6
32.5°	1416.2	1409.9	1367.8	1353.1	1355.2	1395.2	1397.3	1443.6	1437.3	1405.7	1344.7
35°	1519.3	1477.3	1416.2	1374.1	1374.1	1426.7	1409.9	1477.3	1494.1	1443.6	1374.1
37.5°	1673.0	1641.4	1532.0	1437.3	1401.5	1439.4	1456.2	1494.1	1544.6	1500.4	1433.1
40°	1978.1	1971.8	1816.0	1611.9	1470.9	1504.6	1510.9	1569.8	1603.5	1542.5	1523.5
42.5°	2424.2	2392.6	2247.4	1925.5	1597.2	1582.5	1605.6	1643.5	1723.5	1673.0	1626.7
45°	2859.8	2845.1	2699.9	2340.0	1826.6	1738.2	1725.6	1792.9	1910.7	1856.0	1820.3
47.5°	3175.5	3146.0	3063.9	2760.9	2163.3	1921.3	1929.7	1997.0	2146.4	2104.3	2114.9
50°	3417.5	3402.7	3316.4	3150.2	2588.3	2209.6	2192.7	2260.1	2462.1	2489.4	2518.9
52.5°	3682.6	3710.0	3594.2	3453.2	3091.3	2596.8	2558.9	2582.0	2843.0	2906.1	2988.2
55°	3937.2	3981.4	3865.7	3846.7	3617.4	3026.0	3019.7	2965.0	3301.7	3310.1	3354.3
57.5°	4103.5	4088.7	4080.3	4183.4	4143.5	3518.5	3486.9	3432.2	3737.3	3682.6	3815.2
60°	4116.1	4158.2	4299.2	4553.8	4625.4	4097.2	4050.9	3901.5	4114.0	3983.5	4236.0
62.5°	4210.8	4244.5	4505.4	4856.8	4949.4	4606.4	4638.0	4259.2	4436.0	4332.8	4703.2
65°	3970.9	4076.1	4600.1	5092.5	5374.5	5122.0	5090.4	4720.0	4766.3	4669.5	5164.1
67.5°	3754.2	3794.1	4341.3	5164.1	5711.2	5639.6	5627.0	5128.3	5107.2	4928.4	5294.5
70°	3051.3	3099.7	3640.5	4797.9	5824.8	6243.6	6214.1	5700.7	5338.7	4787.4	4625.4
72.5°	1748.7	1845.5	2523.1	3695.2	5233.5	6411.9	6439.3	5793.3	5065.2	4025.6	3089.2
75°	572.4	599.7	1048.0	2093.8	3914.1	5593.3	5544.9	4978.9	4086.6	2657.8	1395.2
77.5°	193.6	197.8	309.3	757.6	2169.6	3779.4	3806.8	3558.4	2510.5	1104.8	385.1
80°	98.9	105.2	151.5	284.1	892.2	2058.0	2102.2	2028.6	1052.2	326.2	92.6
82.5°	46.3	48.4	88.4	157.8	408.2	808.1	808.1	888.0	372.5	183.1	37.9
85°	16.8	16.8	46.3	90.5	172.6	269.4	271.5	273.6	195.7	136.8	16.8
87.5°	6.3	6.3	23.1	37.9	63.1	82.1	82.1	65.2	98.9	90.5	6.3
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: P673527
 CATALOG NUMBER: CCP-SA-2E-727-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	881.7	881.7	881.7	881.7	881.7	881.7	881.7	881.7	881.7	881.7	881.7
2.5°	885.9	873.3	862.8	848.1	829.1	818.6	820.7	808.1	808.1	801.8	799.7
5°	885.9	873.3	845.9	820.7	803.9	782.8	772.3	763.9	763.9	759.7	761.8
7.5°	892.2	873.3	835.4	801.8	774.4	753.4	736.5	734.4	730.2	719.7	728.1
10°	930.1	902.8	839.6	793.3	761.8	738.6	709.2	700.7	688.1	669.2	671.3
12.5°	961.7	925.9	869.1	806.0	766.0	728.1	660.8	587.1	555.5	521.9	524.0
15°	1008.0	957.5	879.6	822.8	766.0	643.9	521.9	427.2	376.7	351.4	351.4
17.5°	1033.2	991.1	909.1	833.3	705.0	524.0	370.4	288.3	279.9	284.1	284.1
20°	1085.8	1029.0	942.7	841.7	603.9	372.5	271.5	263.0	267.3	275.7	273.6
22.5°	1119.5	1062.7	968.0	803.9	467.2	267.3	254.6	250.4	254.6	265.1	265.1
25°	1146.9	1111.1	1008.0	711.3	330.4	242.0	237.8	242.0	246.2	250.4	256.7
27.5°	1214.2	1153.2	1035.3	591.3	237.8	225.2	229.4	231.5	231.5	237.8	239.9
30°	1258.4	1210.0	1056.4	456.6	210.4	208.3	212.5	214.6	216.7	223.1	225.2
32.5°	1300.5	1283.7	1029.0	309.3	197.8	193.6	191.5	193.6	202.0	208.3	206.2
35°	1361.5	1351.0	989.0	214.6	185.2	176.8	172.6	174.7	181.0	187.3	185.2
37.5°	1435.2	1445.7	892.2	187.3	172.6	162.0	153.6	153.6	155.7	162.0	164.1
40°	1521.4	1548.8	778.6	174.7	164.1	151.5	143.1	132.6	130.5	128.4	130.5
42.5°	1679.3	1710.8	650.2	166.2	151.5	136.8	124.2	111.5	101.0	94.7	94.7
45°	1900.2	1875.0	481.9	157.8	145.2	124.2	105.2	90.5	75.8	69.4	69.4
47.5°	2205.4	2119.1	330.4	149.4	134.7	109.4	88.4	69.4	56.8	50.5	50.5
50°	2628.3	2344.2	214.6	141.0	128.4	94.7	71.5	50.5	42.1	40.0	42.1
52.5°	3028.2	2573.6	170.5	130.5	115.7	82.1	54.7	42.1	37.9	35.8	35.8
55°	3396.4	2689.4	151.5	119.9	105.2	67.3	46.3	35.8	33.7	31.6	31.6
57.5°	3707.9	2729.3	130.5	105.2	84.2	52.6	37.9	31.6	27.4	25.3	25.3
60°	3977.2	2739.9	101.0	84.2	61.0	40.0	31.6	27.4	23.1	18.9	18.9
62.5°	4191.9	2666.2	71.5	58.9	42.1	31.6	27.4	18.9	12.6	8.4	6.3
65°	4362.3	2518.9	48.4	40.0	27.4	23.1	16.8	8.4	2.1	0.0	0.0
67.5°	4162.4	2184.3	37.9	29.5	18.9	14.7	8.4	2.1	0.0	0.0	0.0
70°	3394.3	1694.0	27.4	18.9	12.6	4.2	2.1	0.0	0.0	0.0	0.0
72.5°	2310.6	1092.2	21.0	12.6	6.3	2.1	0.0	0.0	0.0	0.0	0.0
75°	1037.4	391.4	14.7	8.4	2.1	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	252.5	92.6	10.5	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	67.3	23.1	6.3	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	25.3	8.4	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	10.5	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.2	2.1	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)