

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: P674668

Luminaire Tested: **CCP-SA-2E-722-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674668
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-722-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ T3R distribution lens and House Side Shield
Light Source: (32) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

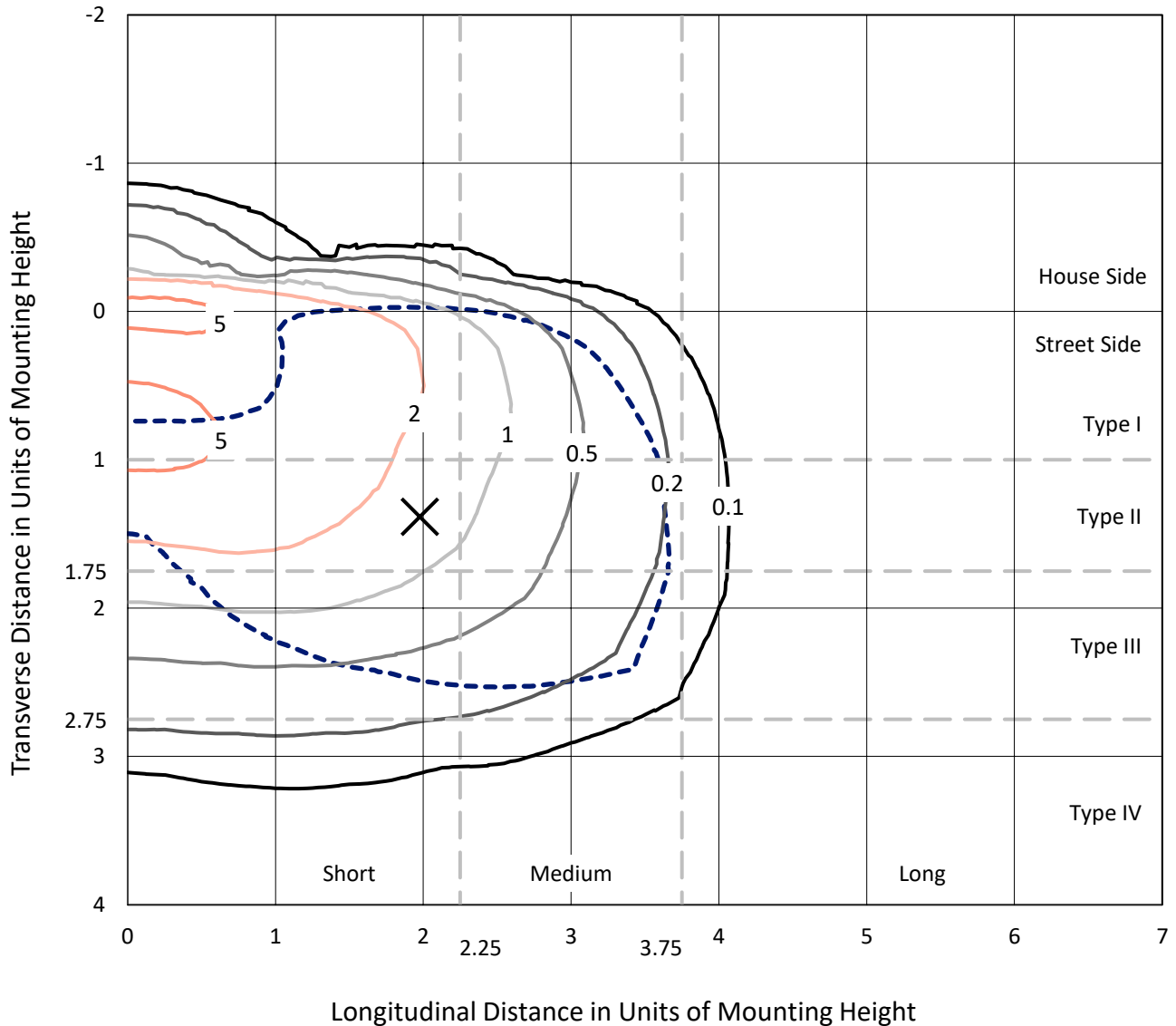
Lumens per Lamp: N/A
Luminaire Lumens: 7987.7 lumens
Efficiency: N/A
Efficacy: 74.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

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

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Iso-Footcandle Lines of Horizontal Illumination

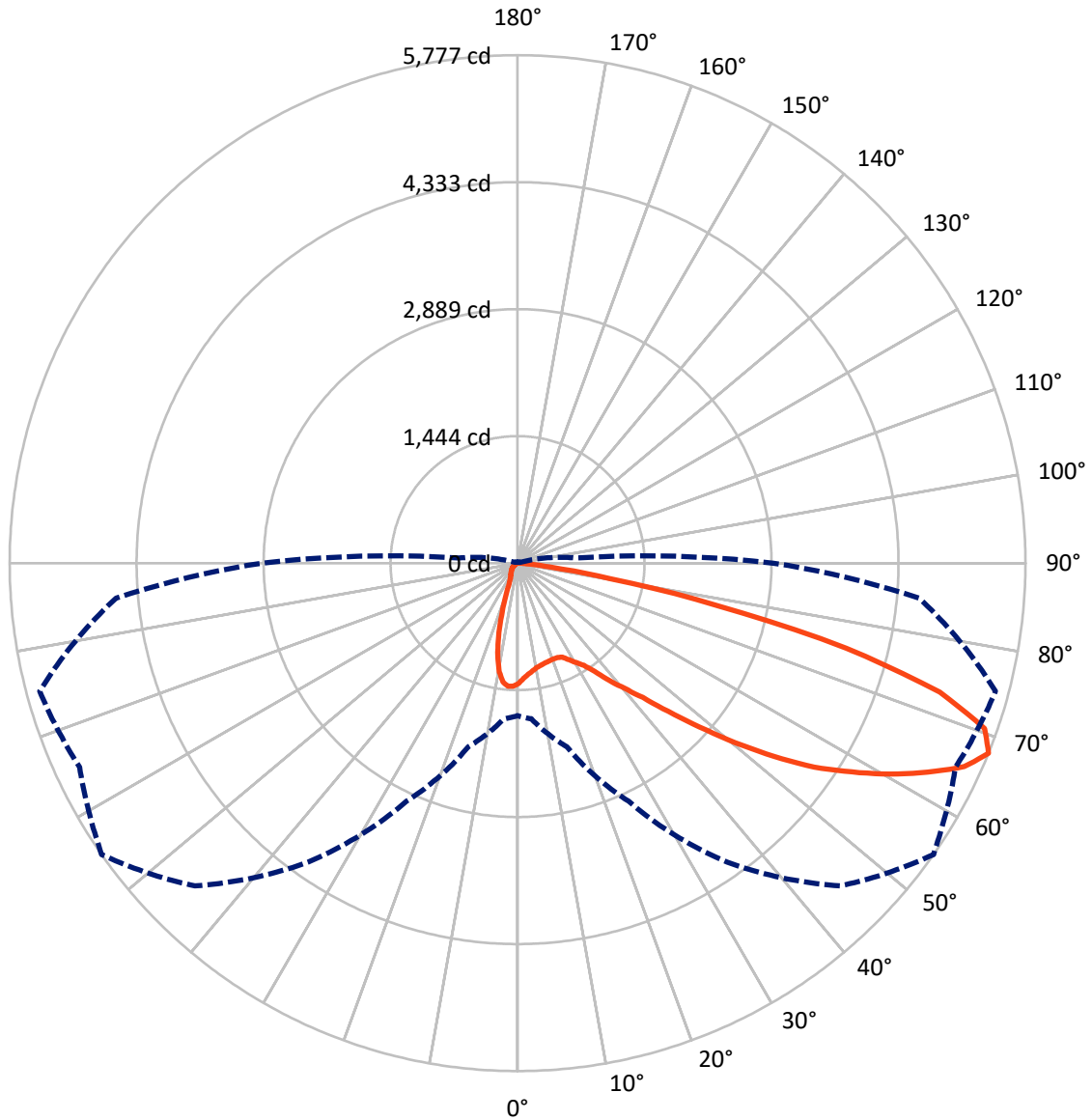
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	717.6	0.0	717.6
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	7270.1	0.0	7270.1
	% Fixture	91.0	0.0	91.0
Total	Lumens	7987.7	0.0	7987.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.1	1.5
10°-20°	273.5	3.4
20°-30°	438.8	5.5
30°-40°	761.1	9.5
40°-50°	1269.1	15.9
50°-60°	1855.9	23.2
60°-70°	2163.9	27.1
70°-80°	1050.2	13.1
80°-90°	54.9	0.7
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°	7987.7	100.0
0°-180°	7987.7	100.0



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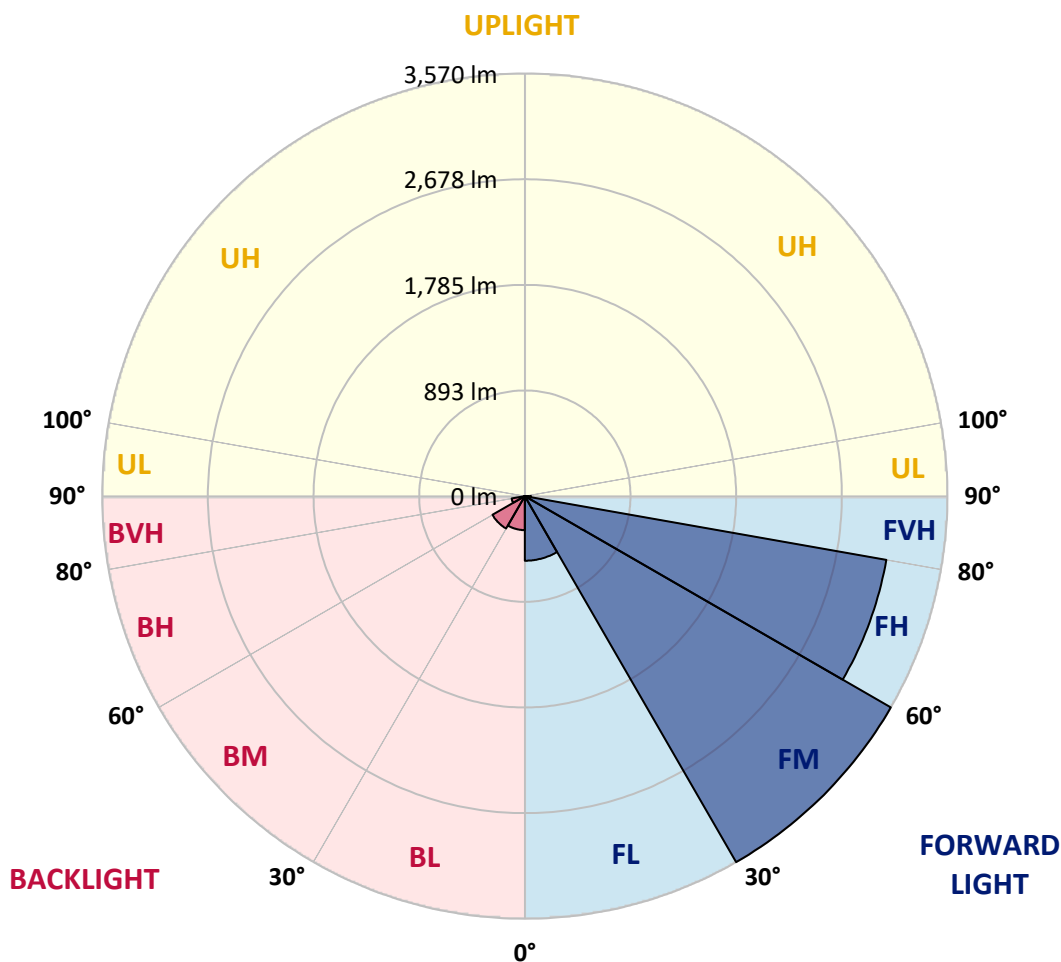
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	545.7	6.8			
FM (30°-60°)	3570.2	44.7			
FH (60°-80°)	3100.9	38.8			G2/5000
FVH (80°-90°)	53.3	0.7			G1/100
BL (0°-30°)	286.9	3.6	B1/500		
BM (30°-60°)	315.9	4.0	B1/1000		
BH (60°-80°)	113.2	1.4	B1/500		G1/500
BVH (80°-90°)	1.6	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-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1368.9	1368.9	1368.9	1368.9	1368.9	1368.9	1368.9	1368.9	1368.9	1368.9	1368.9
2.5°	1263.6	1271.7	1282.0	1285.7	1298.2	1315.9	1310.7	1307.0	1326.9	1354.1	1363.0
5°	1184.9	1185.6	1201.8	1213.6	1234.9	1251.8	1270.2	1268.8	1304.8	1351.2	1380.6
7.5°	1107.6	1109.1	1126.0	1144.4	1175.3	1208.4	1236.4	1234.9	1293.1	1354.9	1410.8
10°	1006.0	1013.4	1034.0	1066.4	1115.0	1167.2	1206.2	1209.9	1279.8	1368.9	1452.0
12.5°	924.3	928.0	950.8	992.8	1050.2	1118.6	1191.5	1189.3	1282.8	1394.6	1505.7
15°	889.8	887.6	901.5	932.4	997.9	1084.0	1176.8	1181.9	1293.1	1424.1	1561.7
17.5°	897.9	895.6	903.0	914.0	960.4	1055.3	1168.7	1177.5	1309.2	1455.0	1613.9
20°	987.6	972.2	958.9	947.2	953.8	1031.8	1163.5	1173.1	1318.8	1478.5	1669.1
22.5°	1160.6	1141.5	1106.1	1040.6	997.2	1033.3	1165.0	1177.5	1340.2	1516.8	1736.1
25°	1442.5	1424.1	1348.3	1214.3	1099.5	1086.3	1184.9	1198.1	1389.5	1574.9	1807.5
27.5°	1815.6	1774.4	1682.4	1490.3	1268.8	1170.9	1244.5	1259.2	1459.4	1619.8	1856.1
30°	2125.4	2115.8	2027.5	1792.0	1502.1	1295.3	1311.5	1319.6	1491.0	1647.0	1904.6
32.5°	2447.0	2427.2	2346.2	2117.3	1772.9	1472.6	1386.5	1390.2	1532.2	1687.5	1975.3
35°	2726.7	2708.3	2640.6	2418.3	2089.4	1711.1	1510.9	1502.8	1617.6	1776.6	2071.0
37.5°	2985.7	2983.5	2923.9	2697.2	2373.4	1958.4	1694.1	1687.5	1750.8	1874.5	2200.5
40°	3238.9	3233.0	3182.2	2975.4	2653.1	2204.9	1868.6	1851.6	1864.2	2011.3	2371.2
42.5°	3394.2	3406.7	3424.4	3293.4	2985.0	2494.1	2089.4	2079.0	2076.8	2225.5	2595.7
45°	3478.1	3500.2	3603.9	3592.2	3336.8	2854.0	2403.6	2377.1	2368.3	2519.9	2852.5
47.5°	3559.8	3569.3	3739.3	3810.7	3673.8	3229.3	2783.3	2746.6	2710.5	2879.0	3159.4
50°	3564.9	3580.4	3790.9	3964.5	3956.4	3598.8	3209.5	3177.1	3135.9	3316.2	3458.9
52.5°	3492.8	3523.7	3784.2	4061.7	4131.6	3924.8	3651.8	3625.3	3591.4	3726.1	3711.4
55°	2994.6	3046.8	3654.7	4070.5	4254.5	4204.5	4096.3	4059.5	4026.4	4122.0	3958.7
57.5°	2757.6	2787.0	3261.7	4063.9	4411.3	4463.5	4481.9	4465.0	4418.6	4537.8	4217.0
60°	2615.6	2658.2	3074.0	3990.3	4580.5	4756.4	4872.0	4838.1	4781.4	4945.6	4493.7
62.5°	2445.5	2476.5	2887.1	3778.3	4681.4	5054.5	5237.7	5206.8	5089.8	5321.6	4717.4
65°	2132.0	2178.4	2589.8	3445.0	4545.9	5273.1	5582.2	5571.9	5368.7	5605.7	4778.5
67.5°	1735.4	1777.3	2160.7	2987.9	4150.0	5191.4	5777.2	5744.8	5495.3	5627.0	4584.9
70°	1302.6	1325.4	1614.7	2282.9	3400.1	4754.9	5635.9	5629.3	5303.2	5310.6	3991.0
72.5°	699.1	762.4	1073.7	1527.8	2391.1	3851.2	5022.8	4996.3	4731.4	4349.4	2870.2
75°	244.3	262.7	571.8	858.1	1298.9	2565.5	3862.2	3800.4	3538.4	2829.0	1563.9
77.5°	150.1	164.9	253.9	438.6	505.6	1113.5	2320.4	2240.2	2071.0	1223.1	534.3
80°	103.8	117.0	170.0	229.6	172.2	360.6	1067.9	1037.7	798.5	291.4	122.9
82.5°	58.1	69.9	128.8	112.6	69.2	93.5	370.2	343.0	212.7	78.7	41.2
85°	33.9	40.5	90.5	79.5	35.3	33.1	96.4	86.1	55.2	29.4	19.9
87.5°	17.7	22.8	66.2	53.0	21.3	11.8	22.1	21.3	14.0	10.3	13.2
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°	1368.9	1368.9	1368.9	1368.9	1368.9	1368.9	1368.9	1368.9	1368.9	1368.9	1368.9
2.5°	1379.2	1375.5	1394.6	1401.2	1399.8	1396.8	1404.2	1394.6	1393.9	1391.7	1389.5
5°	1404.2	1410.1	1425.5	1425.5	1404.9	1371.1	1350.5	1322.5	1298.9	1285.0	1282.8
7.5°	1441.7	1453.5	1463.8	1432.2	1361.5	1277.6	1188.6	1118.6	1057.6	1025.9	1023.0
10°	1494.7	1505.7	1497.7	1407.1	1255.5	1081.8	936.9	791.1	718.3	678.5	678.5
12.5°	1558.0	1566.8	1517.5	1344.6	1081.1	829.4	635.9	482.8	409.9	362.8	359.9
15°	1626.4	1628.6	1514.6	1235.7	865.5	557.1	365.0	267.9	237.0	230.4	228.9
17.5°	1686.1	1677.2	1483.7	1074.5	623.3	331.9	231.8	209.7	203.9	203.9	203.9
20°	1742.0	1712.5	1421.8	886.8	399.6	225.9	199.4	193.6	193.6	194.3	194.3
22.5°	1803.8	1745.7	1333.5	678.5	256.8	193.6	186.9	184.0	183.3	185.5	184.7
25°	1876.7	1778.0	1207.0	468.8	198.7	180.3	177.4	174.4	174.4	174.4	174.4
27.5°	1917.1	1773.6	1062.7	295.9	173.7	167.1	164.1	161.2	159.0	158.2	159.0
30°	1952.5	1747.9	874.3	206.8	156.8	149.4	147.2	143.5	139.1	137.6	137.6
32.5°	1998.8	1726.5	677.1	166.3	142.0	133.9	127.3	121.4	114.1	111.1	110.4
35°	2050.3	1687.5	496.0	146.5	128.8	118.5	108.2	98.6	89.0	86.1	85.4
37.5°	2114.4	1652.2	336.3	135.4	117.8	105.2	91.3	78.0	69.2	67.7	67.7
40°	2201.2	1622.8	232.6	125.8	107.4	92.7	75.8	61.8	55.9	54.5	54.5
42.5°	2319.7	1598.5	175.9	117.8	98.6	80.2	61.1	50.8	46.4	44.9	44.9
45°	2459.5	1560.9	148.7	110.4	89.8	67.7	50.8	42.7	40.5	40.5	40.5
47.5°	2620.0	1513.8	135.4	103.0	80.2	55.2	42.7	39.0	38.3	38.3	39.0
50°	2781.9	1457.9	125.8	94.2	69.2	47.1	39.0	36.8	36.8	37.5	37.5
52.5°	2891.5	1370.3	116.3	84.6	58.1	41.2	36.8	36.1	35.3	35.3	35.3
55°	2998.2	1293.8	103.0	74.3	48.6	38.3	35.3	34.6	34.6	33.9	33.9
57.5°	3109.4	1233.4	86.1	61.8	41.2	36.1	33.9	33.9	32.4	31.6	31.6
60°	3238.2	1180.5	66.2	48.6	36.1	33.9	31.6	30.9	29.4	28.0	28.0
62.5°	3275.7	1068.6	50.0	39.0	30.9	29.4	28.7	27.2	23.6	20.6	21.3
65°	3177.8	892.7	39.7	30.9	25.0	25.0	22.8	19.1	15.5	13.2	13.2
67.5°	2907.7	666.8	32.4	24.3	19.9	19.1	16.2	14.0	9.6	8.1	8.1
70°	2396.2	440.8	26.5	19.1	16.2	13.2	11.0	10.3	7.4	5.9	5.9
72.5°	1679.4	239.2	22.1	15.5	11.8	8.8	7.4	6.6	5.2	4.4	3.7
75°	886.8	92.0	17.7	11.8	7.4	5.9	4.4	4.4	3.7	2.9	2.9
77.5°	303.9	39.0	12.5	6.6	5.2	3.7	2.9	2.2	2.9	2.2	2.2
80°	72.1	22.8	8.1	4.4	2.9	2.2	2.2	1.5	1.5	1.5	1.5
82.5°	31.6	13.2	5.2	2.9	2.9	2.2	1.5	0.7	0.7	0.7	0.7
85°	21.3	8.1	3.7	2.9	2.2	1.5	0.7	0.7	0.0	0.0	0.0
87.5°	16.9	5.2	2.9	2.9	2.2	1.5	0.7	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)