

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: P674548

Luminaire Tested: **CCP-SA-1B-735-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674548
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-735-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @450mA w/ T2R distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

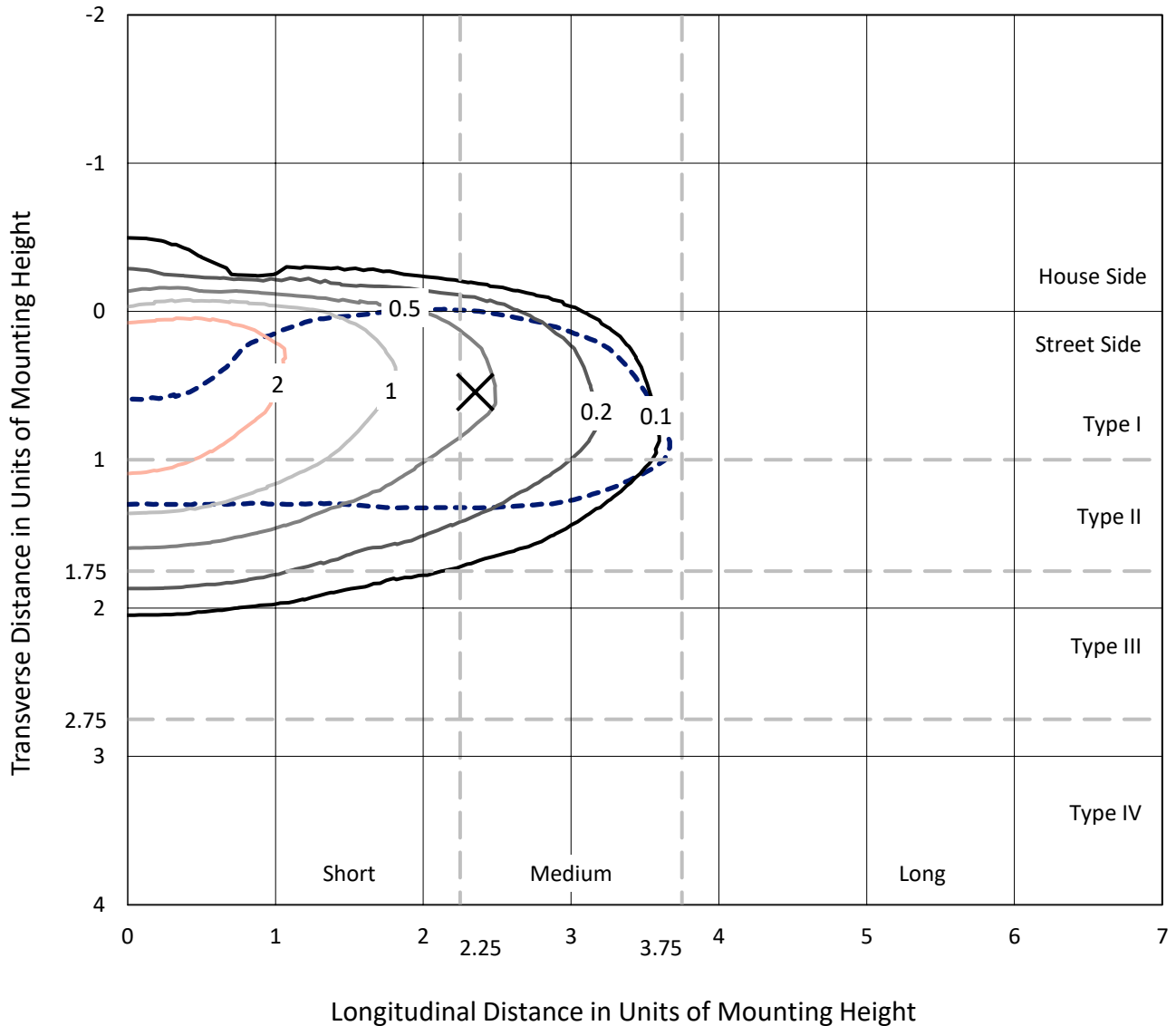
Lumens per Lamp: N/A
Luminaire Lumens: 2758.1 lumens
Efficiency: N/A
Efficacy: 114.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 24
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

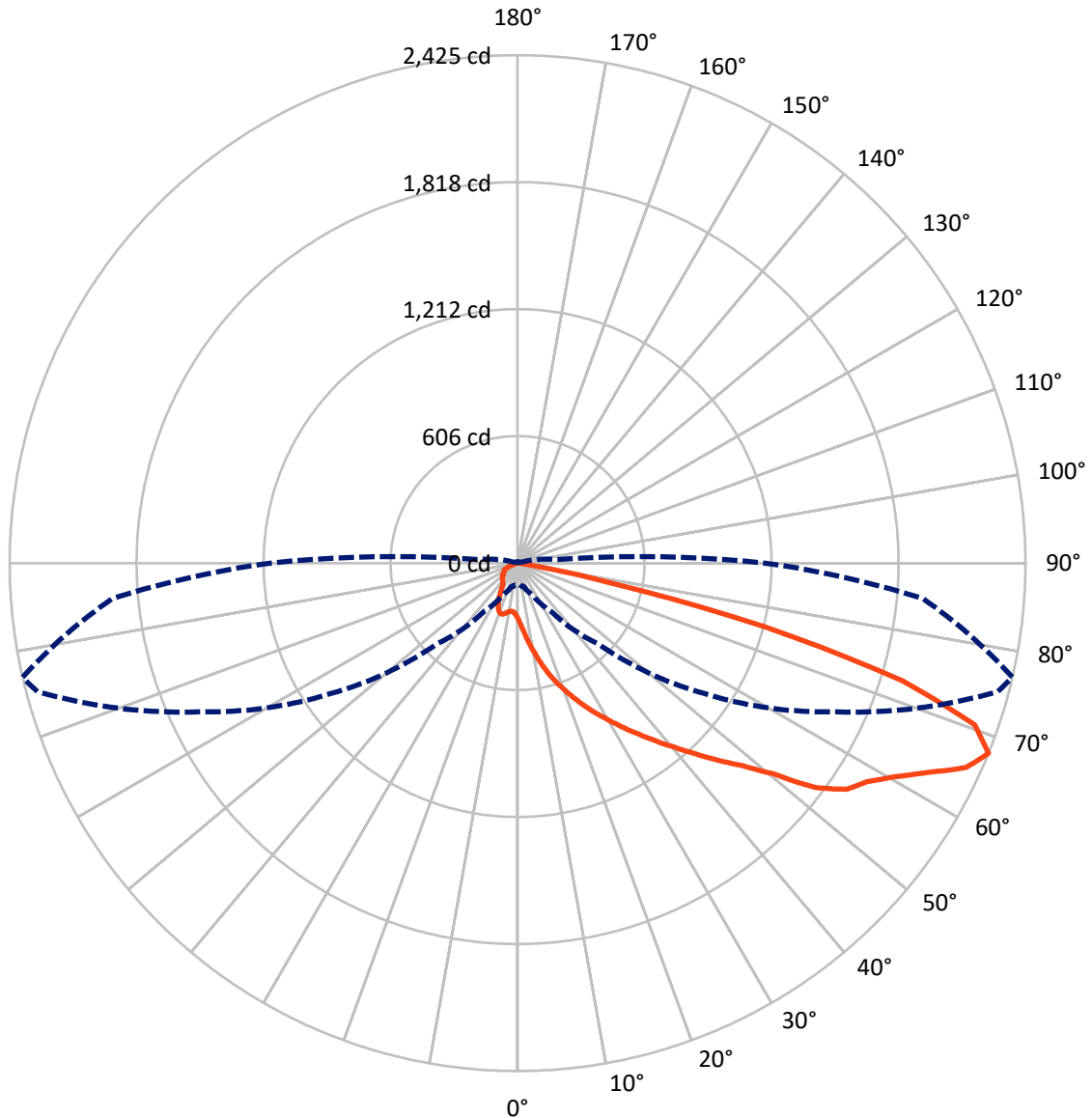
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.4 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	172.3	0.0	172.3
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	2585.7	0.0	2585.7
	% Fixture	93.8	0.0	93.8
Total	Lumens	2758.1	0.0	2758.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.0	1.1
10°-20°	114.8	4.2
20°-30°	224.3	8.1
30°-40°	392.2	14.2
40°-50°	571.9	20.7
50°-60°	668.8	24.2
60°-70°	542.1	19.7
70°-80°	203.7	7.4
80°-90°	9.2	0.3
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°	2758.1	100.0
0°-180°	2758.1	100.0



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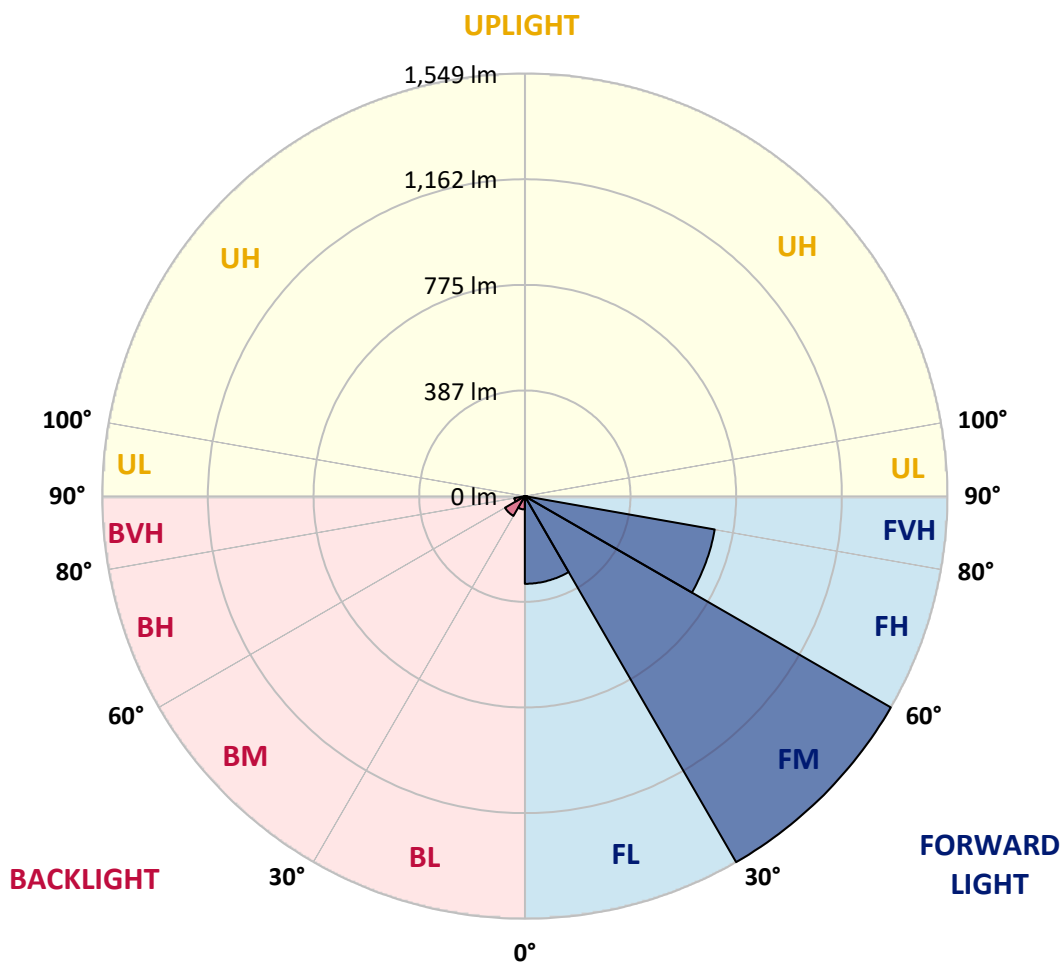
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	321.3	11.6			
FM (30°-60°)	1549.0	56.2			
FH (60°-80°)	706.7	25.6			G1/1800
FVH (80°-90°)	8.7	0.3			G0/10
BL (0°-30°)	48.9	1.8	B0/110		
BM (30°-60°)	83.9	3.0	B0/220		
BH (60°-80°)	39.1	1.4	B0/110		G0/110
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: B0-U0-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	264.2	264.2	264.2	264.2	264.2	264.2	264.2	264.2	264.2	264.2	264.2
2.5°	396.6	382.2	384.9	379.0	371.2	353.3	334.4	315.5	298.5	294.8	277.9
5°	507.9	503.4	498.7	494.7	478.5	456.1	422.0	378.7	339.6	332.9	297.8
7.5°	594.3	587.6	591.8	579.6	562.7	541.0	497.7	451.4	391.2	381.2	326.7
10°	658.1	654.3	656.3	650.6	642.4	620.7	577.9	519.9	450.2	431.2	359.0
12.5°	705.9	706.6	715.3	715.8	709.1	691.4	646.1	585.6	503.7	486.8	394.9
15°	740.7	741.5	752.2	763.6	771.4	762.1	721.1	653.3	566.7	543.5	432.5
17.5°	746.5	747.0	765.9	789.0	812.9	820.9	789.3	720.6	624.2	597.8	475.6
20°	750.2	754.4	771.4	798.0	835.8	860.5	843.3	785.0	680.0	649.4	517.9
22.5°	795.5	795.5	805.5	824.4	854.5	893.1	889.6	844.3	734.3	703.9	560.0
25°	891.6	891.6	881.9	876.9	893.1	923.5	932.2	907.5	796.3	760.4	604.3
27.5°	1018.8	1018.8	1003.7	967.1	953.1	965.8	975.0	962.6	853.5	818.2	651.1
30°	1150.8	1155.3	1128.9	1082.3	1033.5	1023.8	1014.9	1012.1	914.5	874.7	698.6
32.5°	1283.3	1282.8	1249.9	1191.9	1128.1	1093.8	1064.7	1061.4	979.3	940.2	743.7
35°	1389.1	1389.3	1354.7	1295.2	1221.5	1177.7	1130.9	1115.7	1050.2	1006.6	797.5
37.5°	1480.7	1475.5	1438.1	1381.6	1312.9	1267.6	1209.3	1169.7	1123.7	1079.3	851.3
40°	1533.2	1526.3	1489.9	1436.1	1384.1	1349.5	1298.2	1235.0	1204.3	1156.5	912.5
42.5°	1541.0	1535.0	1510.8	1478.5	1435.9	1405.5	1391.8	1308.7	1289.0	1245.7	985.7
45°	1519.3	1509.6	1501.6	1484.7	1472.7	1458.1	1476.7	1387.1	1386.1	1343.0	1058.2
47.5°	1465.5	1452.3	1454.3	1473.0	1486.4	1499.6	1557.9	1489.9	1483.9	1443.6	1153.3
50°	1373.6	1367.2	1389.1	1425.9	1479.2	1532.0	1638.8	1595.0	1618.6	1580.8	1284.5
52.5°	1186.9	1194.9	1260.4	1349.0	1441.1	1547.2	1714.8	1751.9	1812.4	1781.2	1416.5
55°	962.8	959.8	1047.2	1204.6	1351.7	1537.5	1747.9	1844.2	1939.3	1906.7	1489.9
57.5°	775.6	780.8	839.8	995.4	1200.1	1462.5	1755.6	1892.5	1990.4	1968.7	1557.9
60°	582.1	587.1	640.9	776.3	998.4	1306.2	1691.8	1909.5	2086.2	2069.8	1666.5
62.5°	370.5	377.0	431.0	562.7	763.1	1063.2	1548.7	1891.8	2186.3	2200.0	1814.6
65°	182.3	188.0	227.8	328.7	510.2	795.0	1349.0	1824.3	2313.8	2352.9	1933.4
67.5°	100.8	103.6	117.3	167.3	284.6	545.3	1084.1	1680.1	2372.3	2424.6	1941.3
70°	78.4	79.2	84.4	97.6	138.7	319.9	771.1	1440.1	2251.1	2314.3	1779.7
72.5°	66.0	67.0	69.5	73.9	86.6	166.6	484.5	1113.0	1894.0	1922.7	1376.9
75°	48.3	49.8	56.8	60.8	68.5	101.1	213.6	668.8	1251.6	1223.5	770.4
77.5°	40.6	41.8	43.6	49.3	56.5	69.0	74.9	280.4	509.4	442.9	202.2
80°	27.6	29.1	33.9	36.8	47.8	45.6	31.1	75.2	102.3	83.4	38.8
82.5°	19.7	20.9	23.4	30.1	34.6	24.2	16.9	22.9	24.6	23.4	12.7
85°	6.2	8.0	16.9	24.9	18.7	8.2	10.7	8.7	7.7	7.5	5.0
87.5°	1.2	1.2	8.5	10.0	7.5	4.2	3.7	2.7	3.5	3.5	2.7
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°	264.2	264.2	264.2	264.2	264.2	264.2	264.2	264.2	264.2	264.2	264.2
2.5°	269.9	258.7	242.5	227.3	211.9	200.9	193.2	185.5	182.5	181.3	178.0
5°	281.9	260.4	228.3	202.4	183.5	171.6	164.3	158.1	154.1	152.9	151.1
7.5°	299.0	268.2	222.1	192.2	173.3	160.3	148.6	135.2	124.5	120.3	118.5
10°	317.7	279.9	223.1	190.2	165.1	136.7	110.5	88.9	79.4	75.9	73.5
12.5°	345.1	292.8	227.3	188.0	140.4	97.6	70.7	61.7	59.5	59.0	58.5
15°	372.5	311.0	234.3	173.0	104.8	66.5	58.8	55.5	54.3	53.0	53.0
17.5°	400.1	328.4	237.0	143.9	72.5	57.5	53.5	50.8	48.8	47.8	47.1
20°	431.2	346.8	229.1	108.3	58.0	52.5	48.1	44.8	43.1	42.1	41.3
22.5°	464.9	365.0	211.6	75.4	52.8	47.3	43.1	39.8	38.1	37.1	36.8
25°	496.5	380.7	183.8	56.8	47.6	42.3	38.3	35.6	34.4	33.4	33.1
27.5°	529.1	394.1	147.4	50.0	43.3	38.3	34.4	32.1	30.9	30.1	29.9
30°	561.0	403.4	109.8	45.8	39.6	34.6	31.1	29.4	28.1	27.4	27.1
32.5°	593.8	408.6	74.2	42.1	35.9	31.4	28.4	26.6	25.9	25.1	25.1
35°	625.4	407.8	53.5	38.6	32.9	28.4	25.6	24.4	24.2	23.4	23.4
37.5°	660.1	402.6	45.6	35.4	29.6	25.6	23.4	22.7	22.4	21.9	21.7
40°	699.4	390.9	41.6	32.9	26.9	23.4	21.4	20.9	20.7	20.2	20.2
42.5°	742.5	375.7	39.3	30.1	24.6	21.2	19.7	18.9	18.7	18.2	18.2
45°	792.5	361.3	37.8	27.4	22.7	19.4	17.9	17.2	16.9	16.4	16.4
47.5°	860.7	353.1	35.4	24.9	20.4	17.7	16.2	15.7	15.2	14.7	14.7
50°	954.6	343.3	32.1	22.4	18.7	15.9	14.9	14.2	13.9	13.4	13.4
52.5°	1031.8	322.7	28.9	19.9	16.7	14.7	13.7	13.2	12.7	12.4	12.4
55°	1058.9	298.5	25.6	17.9	15.2	13.7	12.7	12.2	12.0	11.7	11.7
57.5°	1102.3	290.8	22.7	15.9	13.7	12.7	11.7	11.5	11.2	11.0	10.7
60°	1176.2	295.3	19.9	14.2	12.4	11.5	10.7	10.5	10.0	9.5	9.5
62.5°	1247.9	289.8	16.9	12.4	10.7	10.2	9.5	9.0	8.0	7.2	6.7
65°	1265.3	253.2	14.7	10.5	9.0	8.5	7.7	6.7	5.2	4.2	4.2
67.5°	1180.9	192.5	12.7	9.0	7.5	7.0	5.5	4.5	3.2	2.5	2.5
70°	974.5	122.0	10.5	7.0	6.2	4.7	3.5	3.2	2.2	2.0	1.7
72.5°	703.1	66.7	8.7	5.7	4.5	3.0	2.5	2.0	1.5	1.0	1.0
75°	356.0	31.4	6.5	4.5	3.0	2.0	1.5	1.0	1.0	0.7	0.7
77.5°	100.8	14.4	4.2	3.0	2.0	1.2	1.0	0.7	0.7	0.5	0.5
80°	19.9	7.2	2.7	2.0	1.5	1.0	0.7	0.5	0.5	0.2	0.2
82.5°	7.2	3.7	2.0	1.5	1.2	1.0	0.5	0.2	0.2	0.0	0.0
85°	3.7	2.0	1.5	1.2	1.0	0.7	0.5	0.2	0.0	0.0	0.0
87.5°	2.0	1.5	1.2	1.2	1.0	0.7	0.5	0.2	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)