

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: P674761

Luminaire Tested: **CCP-SA-1E-835-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674761
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-835-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ T3R distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

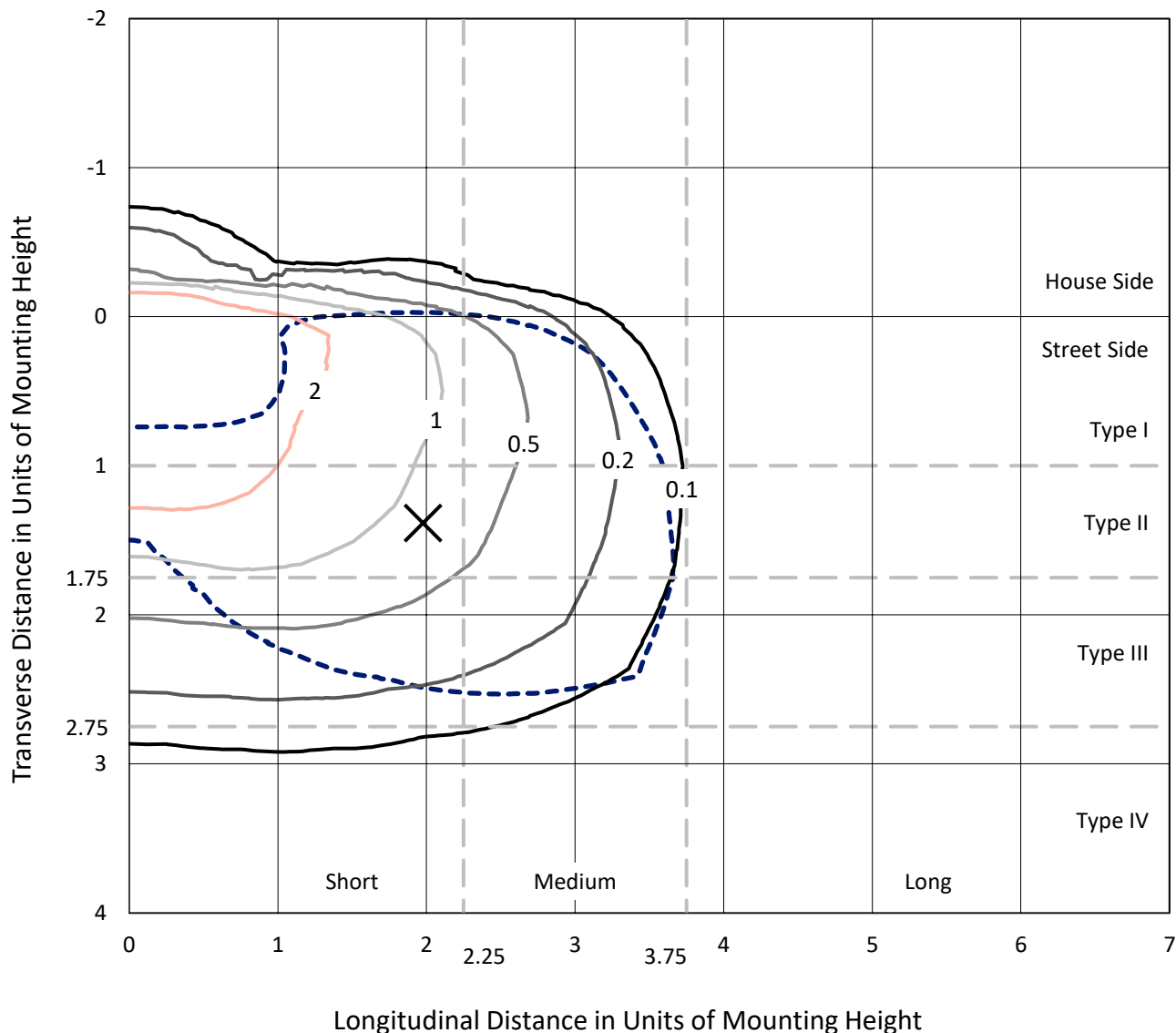
Lumens per Lamp: N/A
Luminaire Lumens: 4468 lumens
Efficiency: N/A
Efficacy: 79.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 56.1
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: P674761
 CATALOG NUMBER: CCP-SA-1E-835-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination

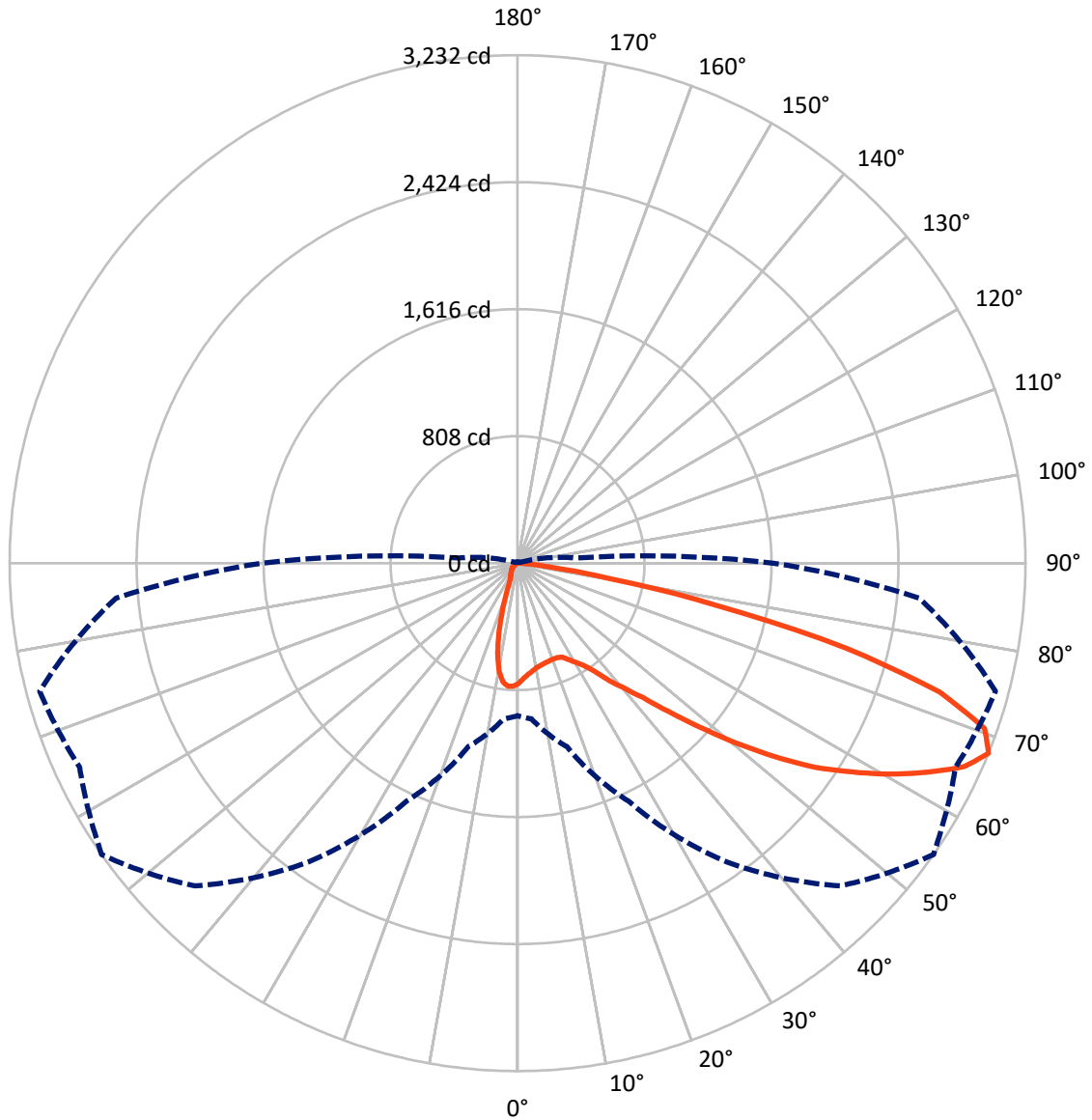
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.7 fc
 Type III - Short - N/A

REPORT NUMBER: P674761
CATALOG NUMBER: CCP-SA-1E-835-U-T3R-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P674761

CATALOG NUMBER: CCP-SA-1E-835-U-T3R-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	401.4	0.0	401.4
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	4066.7	0.0	4066.7
	% Fixture	91.0	0.0	91.0
Total	Lumens	4468.0	0.0	4468.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.2	1.5
10°-20°	153.0	3.4
20°-30°	245.5	5.5
30°-40°	425.8	9.5
40°-50°	709.9	15.9
50°-60°	1038.1	23.2
60°-70°	1210.4	27.1
70°-80°	587.4	13.1
80°-90°	30.7	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°	4468.0	100.0
0°-180°	4468.0	100.0



REPORT NUMBER: P674761

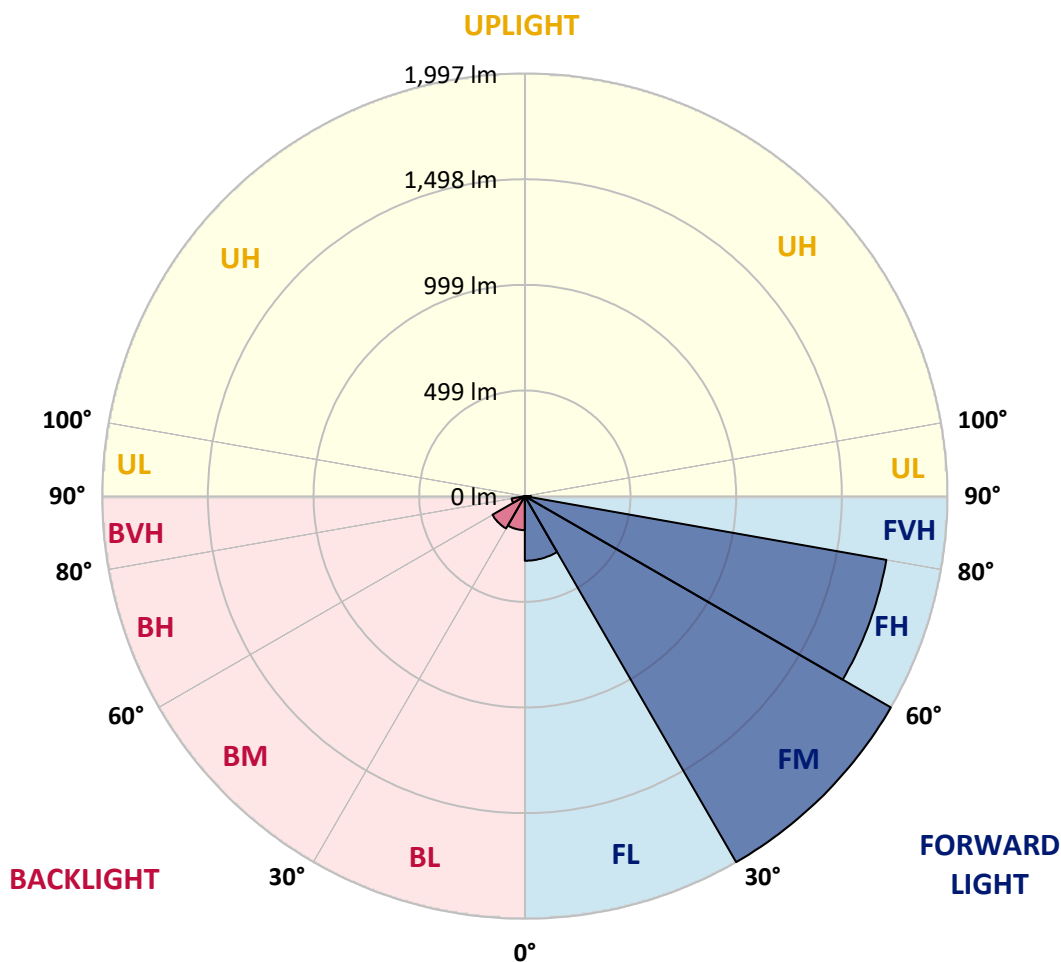
CATALOG NUMBER: CCP-SA-1E-835-U-T3R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	305.2	6.8			
FM (30°-60°)	1997.1	44.7			
FH (60°-80°)	1734.6	38.8			G1/1800
FVH (80°-90°)	29.8	0.7			G1/100
BL (0°-30°)	160.5	3.6	B1/500		
BM (30°-60°)	176.7	4.0	B0/220		
BH (60°-80°)	63.3	1.4	B0/110		G0/110
BVH (80°-90°)	0.9	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-G1

Type III Short





REPORT NUMBER: P674761

CATALOG NUMBER: CCP-SA-1E-835-U-T3R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7
2.5°	706.8	711.4	717.1	719.2	726.2	736.1	733.2	731.1	742.2	757.5	762.4
5°	662.8	663.2	672.2	678.8	690.8	700.2	710.5	709.7	729.9	755.8	772.3
7.5°	619.6	620.4	629.8	640.1	657.4	676.0	691.6	690.8	723.3	757.9	789.2
10°	562.7	566.9	578.4	596.5	623.7	652.9	674.7	676.8	715.9	765.7	812.2
12.5°	517.1	519.1	531.9	555.3	587.4	625.7	666.5	665.2	717.5	780.1	842.3
15°	497.7	496.5	504.3	521.6	558.2	606.4	658.3	661.1	723.3	796.6	873.6
17.5°	502.2	501.0	505.1	511.3	537.2	590.3	653.7	658.7	732.4	813.9	902.8
20°	552.5	543.8	536.4	529.8	533.5	577.2	650.8	656.2	737.7	827.0	933.7
22.5°	649.2	638.5	618.7	582.1	557.8	578.0	651.7	658.7	749.6	848.4	971.1
25°	806.9	796.6	754.2	679.2	615.0	607.6	662.8	670.2	777.2	881.0	1011.0
27.5°	1015.6	992.5	941.1	833.6	709.7	655.0	696.1	704.4	816.3	906.1	1038.2
30°	1188.9	1183.5	1134.1	1002.4	840.2	724.5	733.6	738.1	834.0	921.3	1065.4
32.5°	1368.8	1357.7	1312.4	1184.4	991.7	823.7	775.6	777.6	857.1	943.9	1104.9
35°	1525.2	1514.9	1477.1	1352.7	1168.7	957.1	845.1	840.6	904.8	993.8	1158.4
37.5°	1670.1	1668.9	1635.5	1508.8	1327.6	1095.4	947.7	943.9	979.4	1048.5	1230.9
40°	1811.7	1808.4	1780.0	1664.4	1484.1	1233.3	1045.2	1035.7	1042.7	1125.1	1326.4
42.5°	1898.6	1905.6	1915.5	1842.2	1669.7	1395.1	1168.7	1163.0	1161.7	1244.9	1451.9
45°	1945.5	1957.9	2015.9	2009.3	1866.5	1596.4	1344.5	1329.7	1324.7	1409.5	1595.6
47.5°	1991.2	1996.6	2091.7	2131.6	2055.0	1806.4	1556.9	1536.3	1516.2	1610.4	1767.3
50°	1994.1	2002.7	2120.5	2217.6	2213.1	2013.0	1795.3	1777.2	1754.1	1855.0	1934.8
52.5°	1953.8	1971.1	2116.8	2272.0	2311.1	2195.4	2042.7	2027.9	2008.9	2084.3	2076.0
55°	1675.1	1704.3	2044.3	2276.9	2379.8	2351.8	2291.3	2270.7	2252.2	2305.7	2214.3
57.5°	1542.5	1559.0	1824.5	2273.2	2467.5	2496.7	2507.0	2497.6	2471.6	2538.3	2358.8
60°	1463.1	1486.9	1719.5	2232.0	2562.2	2660.6	2725.2	2706.3	2674.6	2766.4	2513.6
62.5°	1368.0	1385.3	1615.0	2113.5	2618.6	2827.3	2929.8	2912.5	2847.1	2976.7	2638.8
65°	1192.6	1218.5	1448.6	1927.0	2542.9	2949.6	3122.5	3116.7	3003.1	3135.6	2672.9
67.5°	970.7	994.2	1208.6	1671.4	2321.4	2903.9	3231.6	3213.5	3073.9	3147.6	2564.7
70°	728.6	741.4	903.2	1277.0	1901.9	2659.8	3152.5	3148.8	2966.5	2970.6	2232.5
72.5°	391.1	426.5	600.6	854.6	1337.5	2154.2	2809.6	2794.8	2646.6	2432.9	1605.5
75°	136.7	147.0	319.9	480.0	726.6	1435.1	2160.4	2125.8	1979.3	1582.4	874.8
77.5°	84.0	92.2	142.0	245.4	282.8	622.8	1298.0	1253.1	1158.4	684.2	298.9
80°	58.0	65.5	95.1	128.4	96.3	201.7	597.3	580.4	446.7	163.0	68.7
82.5°	32.5	39.1	72.0	63.0	38.7	52.3	207.1	191.8	119.0	44.0	23.1
85°	18.9	22.6	50.6	44.5	19.8	18.5	53.9	48.2	30.9	16.5	11.1
87.5°	9.9	12.8	37.0	29.6	11.9	6.6	12.3	11.9	7.8	5.8	7.4
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: P674761
 CATALOG NUMBER: CCP-SA-1E-835-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7
2.5°	771.5	769.4	780.1	783.8	783.0	781.3	785.5	780.1	779.7	778.5	777.2
5°	785.5	788.7	797.4	797.4	785.9	766.9	755.4	739.8	726.6	718.8	717.5
7.5°	806.5	813.0	818.8	801.1	761.6	714.6	664.8	625.7	591.6	573.9	572.2
10°	836.1	842.3	837.7	787.1	702.3	605.1	524.0	442.5	401.8	379.6	379.6
12.5°	871.5	876.4	848.9	752.1	604.7	463.9	355.7	270.1	229.3	203.0	201.3
15°	909.8	911.0	847.2	691.2	484.1	311.6	204.2	149.8	132.6	128.9	128.0
17.5°	943.1	938.2	829.9	601.0	348.7	185.7	129.7	117.3	114.0	114.0	114.0
20°	974.4	957.9	795.3	496.1	223.5	126.4	111.6	108.3	108.3	108.7	108.7
22.5°	1009.0	976.5	745.9	379.6	143.7	108.3	104.6	102.9	102.5	103.7	103.3
25°	1049.7	994.6	675.1	262.2	111.1	100.9	99.2	97.6	97.6	97.6	97.6
27.5°	1072.4	992.1	594.4	165.5	97.2	93.4	91.8	90.2	88.9	88.5	88.9
30°	1092.1	977.7	489.1	115.7	87.7	83.6	82.3	80.3	77.8	77.0	77.0
32.5°	1118.1	965.8	378.7	93.0	79.5	74.9	71.2	67.9	63.8	62.2	61.7
35°	1146.9	943.9	277.5	81.9	72.0	66.3	60.5	55.2	49.8	48.2	47.8
37.5°	1182.7	924.2	188.1	75.7	65.9	58.9	51.0	43.6	38.7	37.9	37.9
40°	1231.3	907.7	130.1	70.4	60.1	51.9	42.4	34.6	31.3	30.5	30.5
42.5°	1297.6	894.1	98.4	65.9	55.2	44.9	34.2	28.4	25.9	25.1	25.1
45°	1375.8	873.1	83.2	61.7	50.2	37.9	28.4	23.9	22.6	22.6	22.6
47.5°	1465.5	846.8	75.7	57.6	44.9	30.9	23.9	21.8	21.4	21.4	21.8
50°	1556.1	815.5	70.4	52.7	38.7	26.3	21.8	20.6	20.6	21.0	21.0
52.5°	1617.4	766.5	65.0	47.3	32.5	23.1	20.6	20.2	19.8	19.8	19.8
55°	1677.1	723.7	57.6	41.6	27.2	21.4	19.8	19.3	19.3	18.9	18.9
57.5°	1739.3	689.9	48.2	34.6	23.1	20.2	18.9	18.9	18.1	17.7	17.7
60°	1811.3	660.3	37.0	27.2	20.2	18.9	17.7	17.3	16.5	15.6	15.6
62.5°	1832.3	597.7	28.0	21.8	17.3	16.5	16.1	15.2	13.2	11.5	11.9
65°	1777.6	499.3	22.2	17.3	14.0	14.0	12.8	10.7	8.6	7.4	7.4
67.5°	1626.5	373.0	18.1	13.6	11.1	10.7	9.1	7.8	5.4	4.5	4.5
70°	1340.4	246.6	14.8	10.7	9.1	7.4	6.2	5.8	4.1	3.3	3.3
72.5°	939.4	133.8	12.3	8.6	6.6	4.9	4.1	3.7	2.9	2.5	2.1
75°	496.1	51.5	9.9	6.6	4.1	3.3	2.5	2.5	2.1	1.6	1.6
77.5°	170.0	21.8	7.0	3.7	2.9	2.1	1.6	1.2	1.6	1.2	1.2
80°	40.3	12.8	4.5	2.5	1.6	1.2	1.2	0.8	0.8	0.8	0.8
82.5°	17.7	7.4	2.9	1.6	1.6	1.2	0.8	0.4	0.4	0.4	0.4
85°	11.9	4.5	2.1	1.6	1.2	0.8	0.4	0.4	0.0	0.0	0.0
87.5°	9.5	2.9	1.6	1.6	1.2	0.8	0.4	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)