

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: P674743

Luminaire Tested: **CCP-SA-2C-827-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674743
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-827-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ T3R distribution lens and House Side Shield
Light Source: (32) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

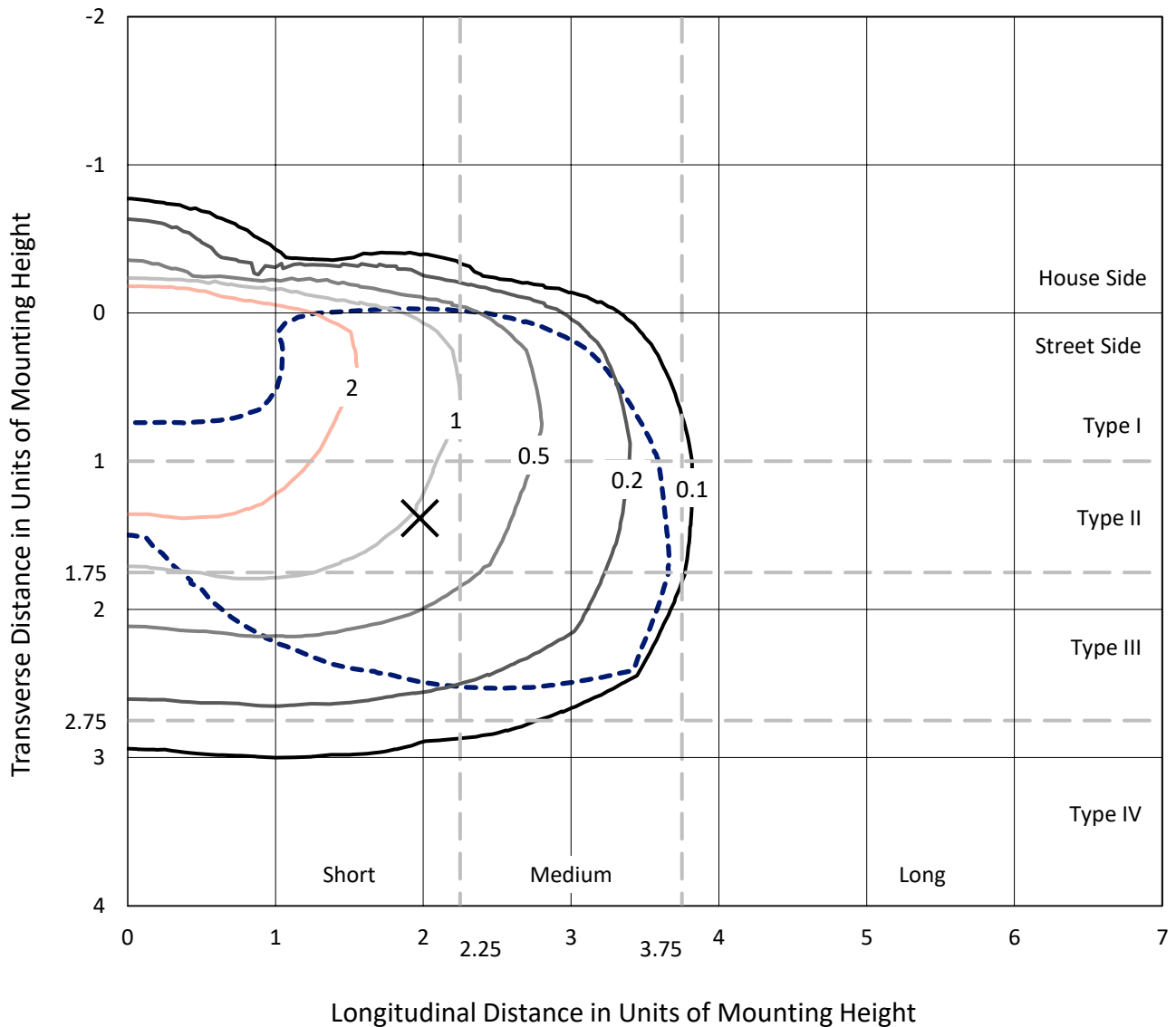
Lumens per Lamp: N/A
Luminaire Lumens: 5271.2 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1
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: P674743
 CATALOG NUMBER: CCP-SA-2C-827-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination

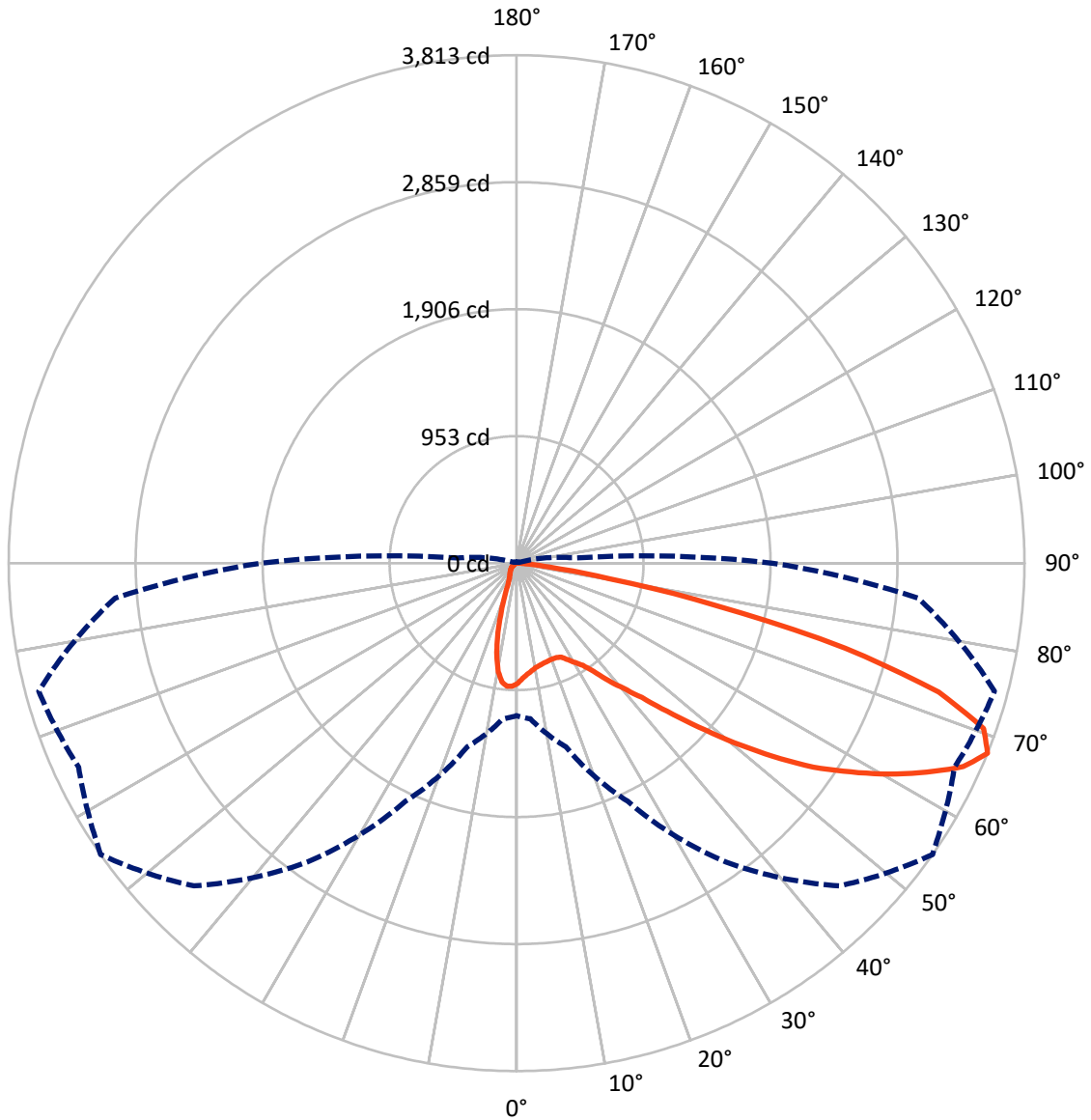
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.4 fc
 Type III - Short - N/A

REPORT NUMBER: P674743
CATALOG NUMBER: CCP-SA-2C-827-U-T3R-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P674743

CATALOG NUMBER: CCP-SA-2C-827-U-T3R-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	473.5	0.0	473.5
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	4797.7	0.0	4797.7
	% Fixture	91.0	0.0	91.0
Total	Lumens	5271.2	0.0	5271.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.3	1.5
10°-20°	180.5	3.4
20°-30°	289.6	5.5
30°-40°	502.3	9.5
40°-50°	837.5	15.9
50°-60°	1224.7	23.2
60°-70°	1428.0	27.1
70°-80°	693.0	13.1
80°-90°	36.2	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°	5271.2	100.0
0°-180°	5271.2	100.0



REPORT NUMBER: P674743

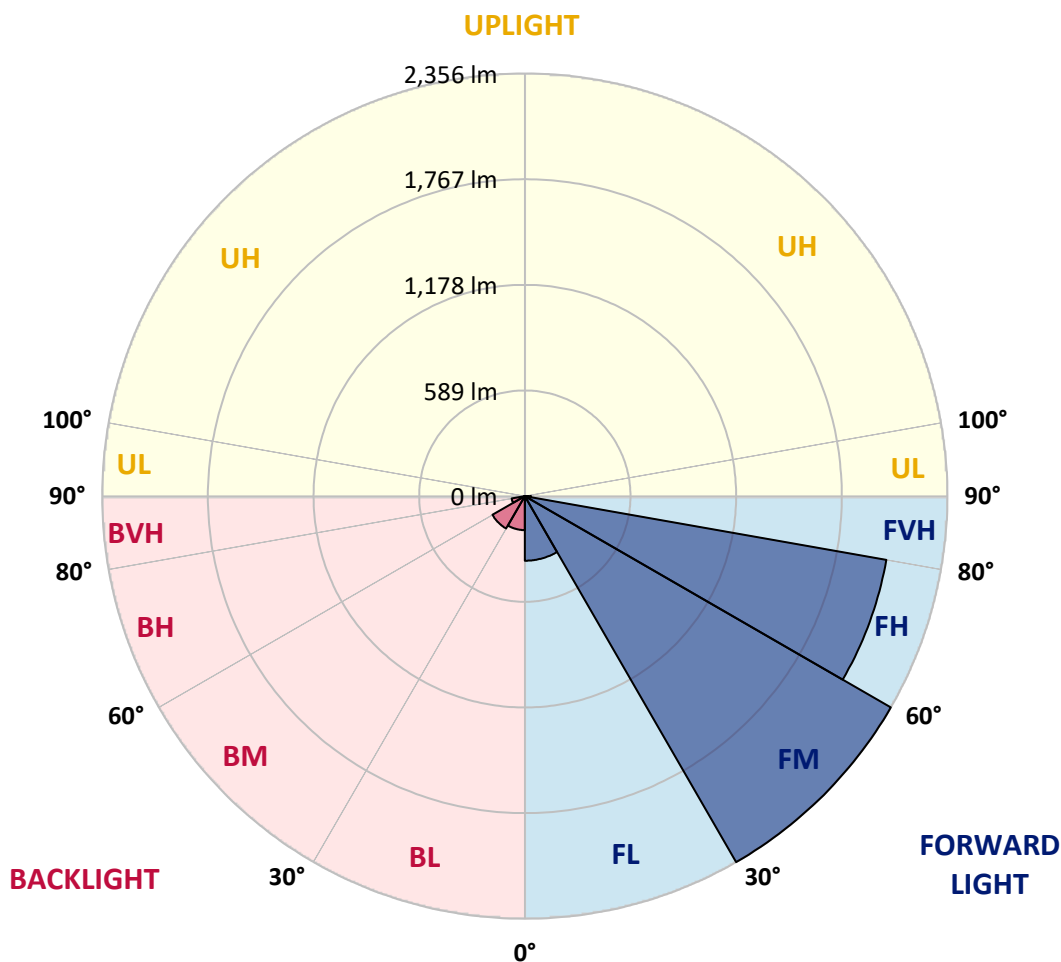
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	360.1	6.8			
FM (30°-60°)	2356.1	44.7			
FH (60°-80°)	2046.4	38.8			G2/5000
FVH (80°-90°)	35.2	0.7			G1/100
BL (0°-30°)	189.3	3.6	B1/500		
BM (30°-60°)	208.5	4.0	B0/220		
BH (60°-80°)	74.7	1.4	B0/110		G0/110
BVH (80°-90°)	1.1	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





REPORT NUMBER: P674743

CATALOG NUMBER: CCP-SA-2C-827-U-T3R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	903.3	903.3	903.3	903.3	903.3	903.3	903.3	903.3	903.3	903.3	903.3
2.5°	833.9	839.2	846.0	848.5	856.7	868.4	865.0	862.5	875.7	893.6	899.5
5°	781.9	782.4	793.1	800.9	814.9	826.1	838.3	837.3	861.1	891.7	911.1
7.5°	730.9	731.9	743.1	755.2	775.6	797.5	815.9	814.9	853.3	894.1	931.0
10°	663.9	668.8	682.4	703.7	735.8	770.3	796.0	798.4	844.6	903.3	958.2
12.5°	610.0	612.4	627.5	655.2	693.0	738.2	786.3	784.8	846.5	920.3	993.7
15°	587.2	585.7	594.9	615.3	658.6	715.4	776.6	780.0	853.3	939.8	1030.6
17.5°	592.5	591.1	595.9	603.2	633.8	696.4	771.2	777.1	864.0	960.2	1065.1
20°	651.8	641.6	632.8	625.1	629.4	680.9	767.8	774.1	870.3	975.7	1101.5
22.5°	765.9	753.3	730.0	686.7	658.1	681.9	768.8	777.1	884.4	1001.0	1145.7
25°	951.9	939.8	889.7	801.3	725.6	716.8	781.9	790.7	916.9	1039.3	1192.8
27.5°	1198.1	1170.9	1110.2	983.5	837.3	772.7	821.3	831.0	963.1	1068.9	1224.8
30°	1402.6	1396.3	1338.0	1182.6	991.2	854.8	865.5	870.8	984.0	1086.9	1256.9
32.5°	1614.8	1601.7	1548.3	1397.3	1170.0	971.8	915.0	917.4	1011.2	1113.6	1303.5
35°	1799.4	1787.2	1742.6	1595.9	1378.8	1129.2	997.1	991.7	1067.5	1172.4	1366.7
37.5°	1970.3	1968.9	1929.5	1780.0	1566.3	1292.4	1118.0	1113.6	1155.4	1237.0	1452.1
40°	2137.4	2133.5	2100.0	1963.5	1750.8	1455.1	1233.1	1221.9	1230.2	1327.3	1564.8
42.5°	2239.9	2248.1	2259.8	2173.4	1969.9	1645.9	1378.8	1372.0	1370.5	1468.7	1712.9
45°	2295.3	2309.8	2378.3	2370.5	2202.0	1883.4	1586.2	1568.7	1562.9	1662.9	1882.4
47.5°	2349.2	2355.5	2467.7	2514.8	2424.4	2131.1	1836.8	1812.5	1788.7	1899.9	2085.0
50°	2352.6	2362.8	2501.7	2616.3	2610.9	2374.9	2118.0	2096.6	2069.4	2188.4	2282.6
52.5°	2305.0	2325.4	2497.3	2680.4	2726.5	2590.1	2409.9	2392.4	2370.0	2458.9	2449.2
55°	1976.2	2010.7	2411.8	2686.2	2807.6	2774.6	2703.2	2678.9	2657.1	2720.2	2612.4
57.5°	1819.8	1839.2	2152.5	2681.8	2911.1	2945.6	2957.7	2946.5	2915.9	2994.6	2782.9
60°	1726.1	1754.2	2028.6	2633.3	3022.8	3138.9	3215.1	3192.8	3155.4	3263.7	2965.5
62.5°	1613.9	1634.3	1905.3	2493.4	3089.3	3335.5	3456.5	3436.1	3358.9	3511.8	3113.1
65°	1407.0	1437.6	1709.1	2273.4	3000.0	3479.8	3683.8	3677.0	3542.9	3699.3	3153.4
67.5°	1145.2	1172.9	1425.9	1971.8	2738.7	3425.9	3812.5	3791.1	3626.5	3713.4	3025.7
70°	859.6	874.7	1065.5	1506.5	2243.8	3137.9	3719.2	3714.9	3499.7	3504.6	2633.8
72.5°	461.4	503.1	708.6	1008.2	1577.9	2541.5	3314.7	3297.2	3122.3	2870.3	1894.1
75°	161.2	173.4	377.4	566.3	857.2	1693.0	2548.8	2508.0	2335.1	1866.9	1032.0
77.5°	99.1	108.8	167.6	289.5	333.7	734.8	1531.3	1478.4	1366.7	807.2	352.6
80°	68.5	77.2	112.2	151.5	113.6	238.0	704.7	684.8	526.9	192.3	81.1
82.5°	38.4	46.1	85.0	74.3	45.7	61.7	244.3	226.3	140.4	52.0	27.2
85°	22.3	26.7	59.7	52.5	23.3	21.9	63.6	56.8	36.4	19.4	13.1
87.5°	11.7	15.1	43.7	35.0	14.1	7.8	14.6	14.1	9.2	6.8	8.7
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: P674743
 CATALOG NUMBER: CCP-SA-2C-827-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	903.3	903.3	903.3	903.3	903.3	903.3	903.3	903.3	903.3	903.3	903.3
2.5°	910.1	907.7	920.3	924.7	923.7	921.8	926.6	920.3	919.8	918.4	916.9
5°	926.6	930.5	940.7	940.7	927.1	904.8	891.2	872.7	857.2	848.0	846.5
7.5°	951.4	959.2	966.0	945.1	898.5	843.1	784.3	738.2	697.9	677.0	675.1
10°	986.4	993.7	988.3	928.6	828.5	713.9	618.3	522.1	474.0	447.8	447.8
12.5°	1028.2	1034.0	1001.4	887.3	713.4	547.3	419.6	318.6	270.5	239.4	237.5
15°	1073.3	1074.8	999.5	815.4	571.1	367.6	240.9	176.8	156.4	152.0	151.0
17.5°	1112.7	1106.8	979.1	709.1	411.4	219.0	153.0	138.4	134.5	134.5	134.5
20°	1149.6	1130.1	938.3	585.2	263.7	149.1	131.6	127.7	127.7	128.2	128.2
22.5°	1190.4	1152.0	880.0	447.8	169.5	127.7	123.4	121.4	120.9	122.4	121.9
25°	1238.4	1173.4	796.5	309.4	131.1	119.0	117.0	115.1	115.1	115.1	115.1
27.5°	1265.2	1170.5	701.3	195.2	114.6	110.2	108.3	106.4	104.9	104.4	104.9
30°	1288.5	1153.5	577.0	136.5	103.4	98.6	97.1	94.7	91.8	90.8	90.8
32.5°	1319.1	1139.4	446.8	109.8	93.7	88.4	84.0	80.1	75.3	73.3	72.8
35°	1353.1	1113.6	327.3	96.6	85.0	78.2	71.4	65.1	58.8	56.8	56.3
37.5°	1395.3	1090.3	221.9	89.4	77.7	69.5	60.2	51.5	45.7	44.7	44.7
40°	1452.6	1070.9	153.5	83.0	70.9	61.2	50.0	40.8	36.9	35.9	35.9
42.5°	1530.8	1054.9	116.1	77.7	65.1	52.9	40.3	33.5	30.6	29.6	29.6
45°	1623.1	1030.1	98.1	72.8	59.3	44.7	33.5	28.2	26.7	26.7	26.7
47.5°	1729.0	999.0	89.4	68.0	52.9	36.4	28.2	25.7	25.3	25.3	25.7
50°	1835.8	962.1	83.0	62.2	45.7	31.1	25.7	24.3	24.3	24.8	24.8
52.5°	1908.2	904.3	76.7	55.9	38.4	27.2	24.3	23.8	23.3	23.3	23.3
55°	1978.6	853.8	68.0	49.1	32.1	25.3	23.3	22.8	22.8	22.3	22.3
57.5°	2051.9	814.0	56.8	40.8	27.2	23.8	22.3	22.3	21.4	20.9	20.9
60°	2136.9	779.0	43.7	32.1	23.8	22.3	20.9	20.4	19.4	18.5	18.5
62.5°	2161.7	705.2	33.0	25.7	20.4	19.4	18.9	18.0	15.5	13.6	14.1
65°	2097.1	589.1	26.2	20.4	16.5	16.5	15.1	12.6	10.2	8.7	8.7
67.5°	1918.9	440.0	21.4	16.0	13.1	12.6	10.7	9.2	6.3	5.3	5.3
70°	1581.3	290.9	17.5	12.6	10.7	8.7	7.3	6.8	4.9	3.9	3.9
72.5°	1108.3	157.8	14.6	10.2	7.8	5.8	4.9	4.4	3.4	2.9	2.4
75°	585.2	60.7	11.7	7.8	4.9	3.9	2.9	2.9	2.4	1.9	1.9
77.5°	200.6	25.7	8.3	4.4	3.4	2.4	1.9	1.5	1.9	1.5	1.5
80°	47.6	15.1	5.3	2.9	1.9	1.5	1.5	1.0	1.0	1.0	1.0
82.5°	20.9	8.7	3.4	1.9	1.9	1.5	1.0	0.5	0.5	0.5	0.5
85°	14.1	5.3	2.4	1.9	1.5	1.0	0.5	0.5	0.0	0.0	0.0
87.5°	11.2	3.4	1.9	1.9	1.5	1.0	0.5	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)