

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: P672148

Luminaire Tested: **CCP-SA-1F-827-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672148
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-827-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ T2R distribution lens
Light Source: (16) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

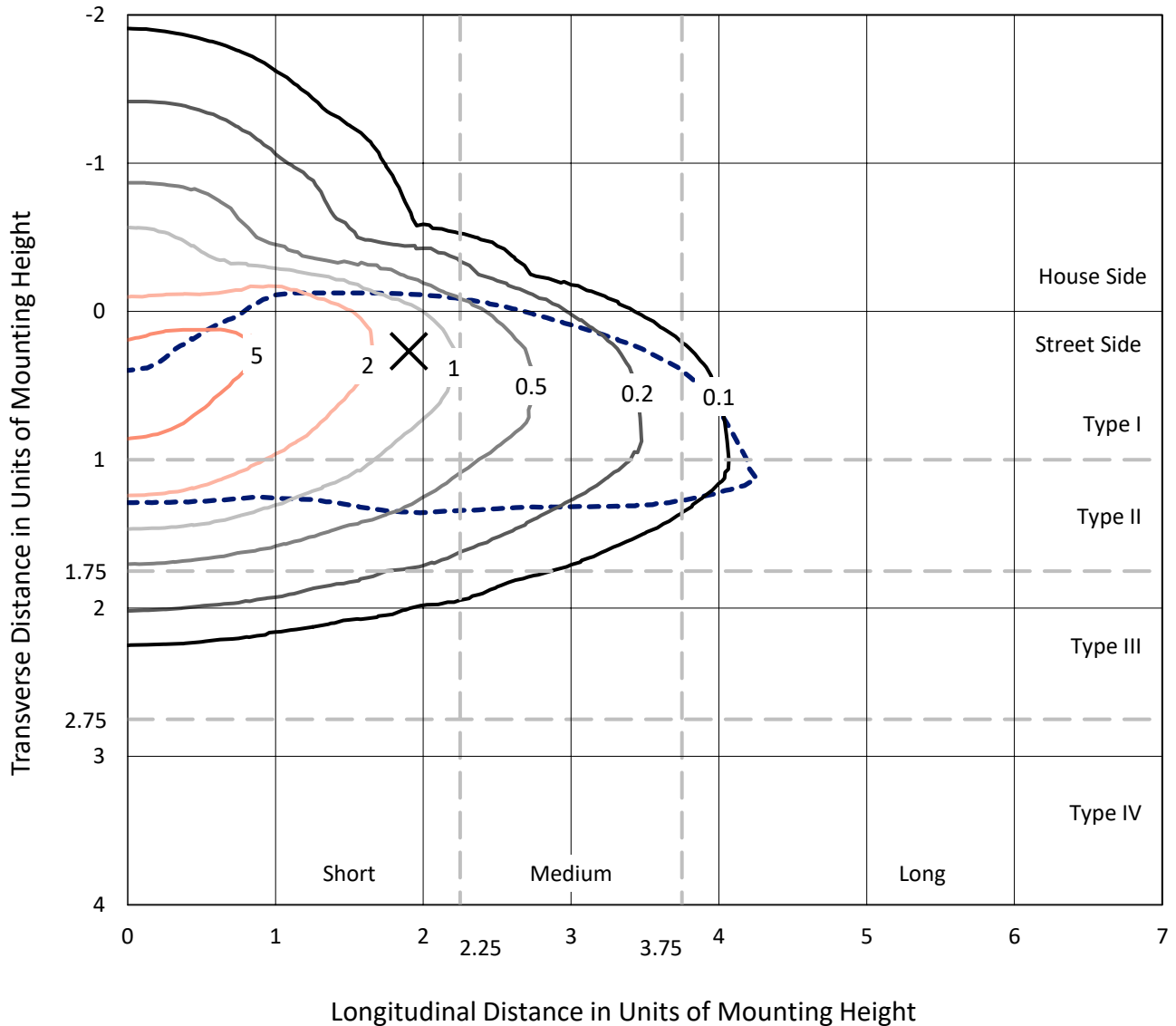
Lumens per Lamp: N/A
Luminaire Lumens: 5598.4 lumens
Efficiency: N/A
Efficacy: 83.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 67
Input Voltage (V): 120
Input Current (A_{in}): 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

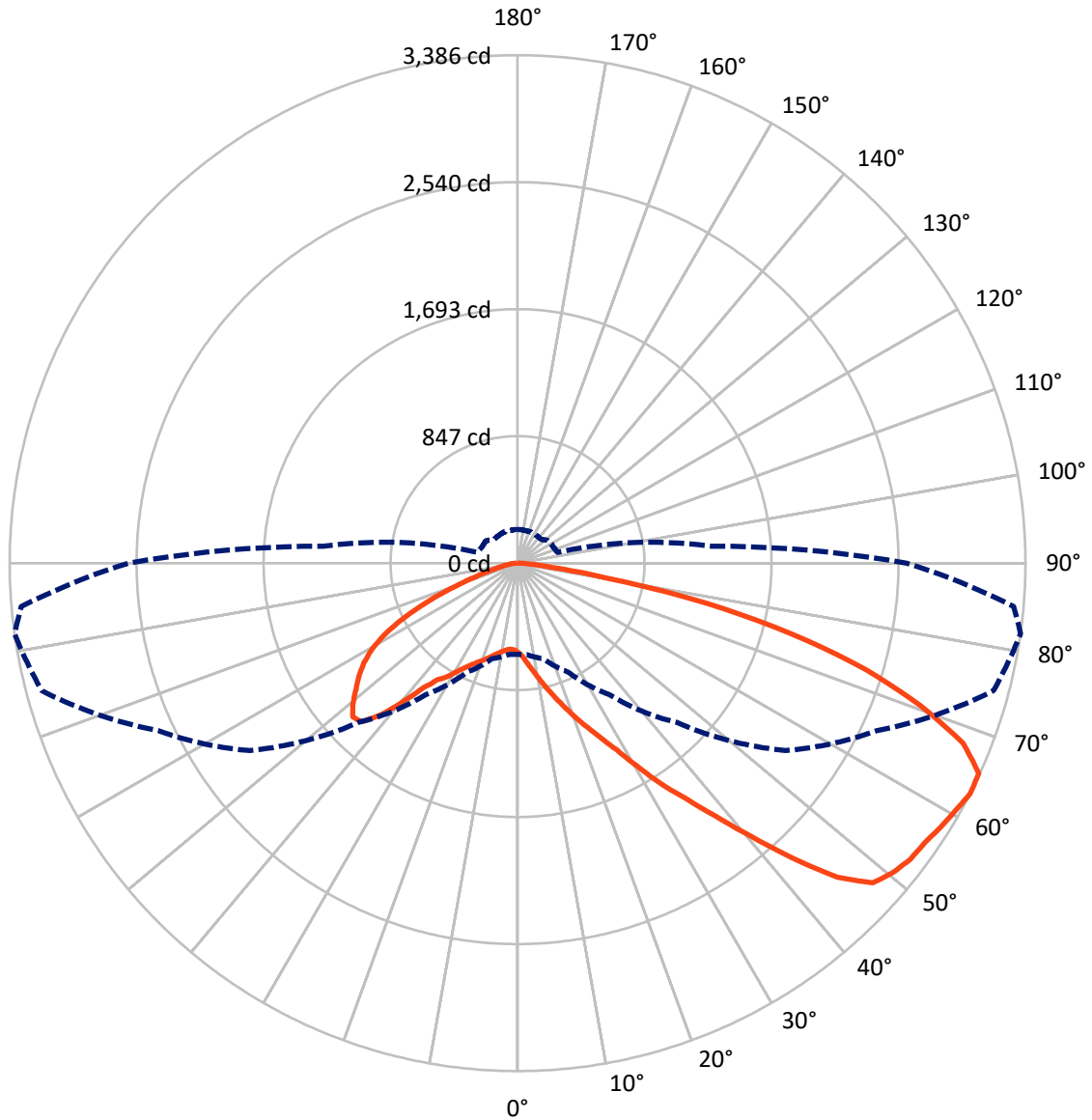
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1054.7	0.0	1054.7
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	4543.7	0.0	4543.7
	% Fixture	81.2	0.0	81.2
Total	Lumens	5598.4	0.0	5598.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.9	1.2
10°-20°	248.5	4.4
20°-30°	514.6	9.2
30°-40°	873.4	15.6
40°-50°	1189.4	21.2
50°-60°	1203.9	21.5
60°-70°	948.8	16.9
70°-80°	467.4	8.3
80°-90°	86.5	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°	5598.4	100.0
0°-180°	5598.4	100.0



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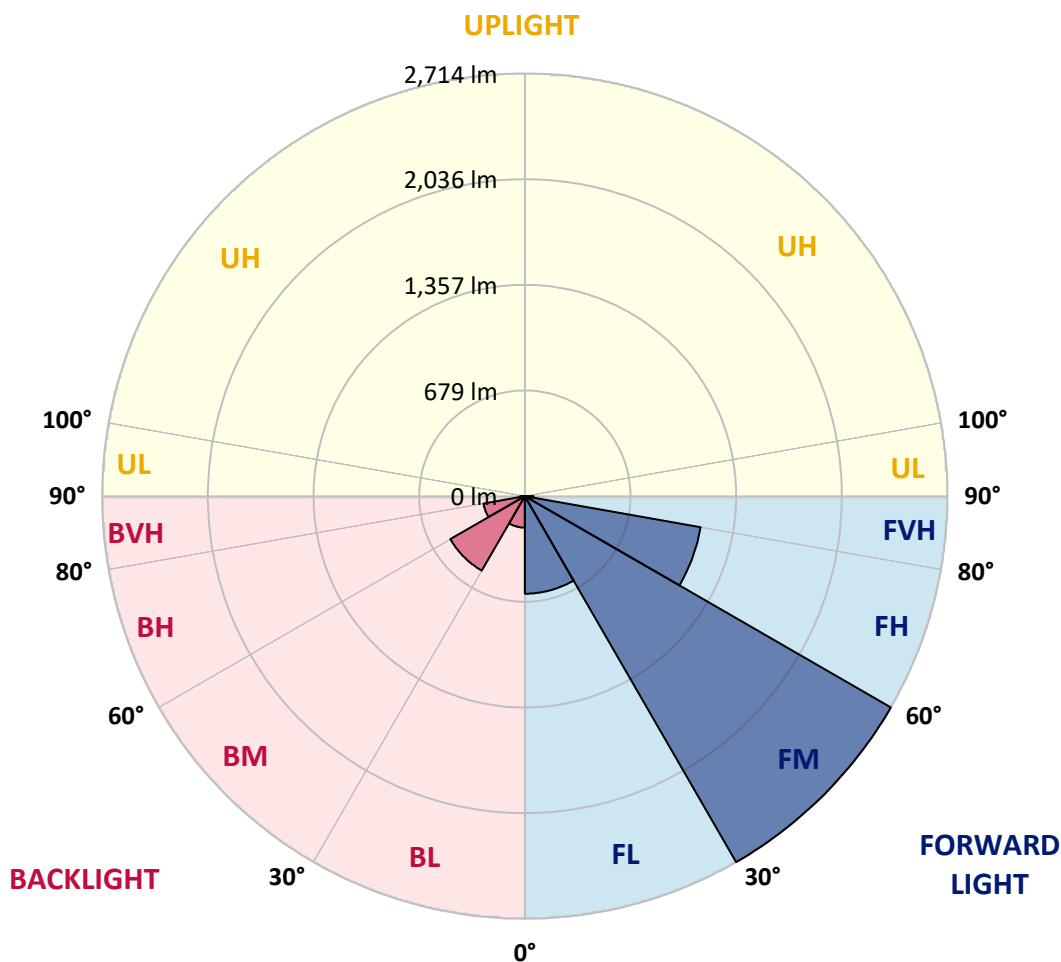
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	626.6	11.2			
FM (30°-60°)	2714.3	48.5			
FH (60°-80°)	1146.6	20.5			G1/1800
FVH (80°-90°)	56.2	1.0			G1/100
BL (0°-30°)	202.4	3.6	B1/500		
BM (30°-60°)	552.4	9.9	B1/1000		
BH (60°-80°)	269.6	4.8	B1/500		G1/500
BVH (80°-90°)	30.3	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	595.4	595.4	595.4	595.4	595.4	595.4	595.4	595.4	595.4	595.4	595.4
2.5°	792.9	780.8	774.3	767.1	746.9	734.0	709.8	681.6	649.0	621.2	615.9
5°	960.1	948.1	949.7	931.9	902.5	875.1	829.9	776.7	714.7	667.1	650.6
7.5°	1078.2	1064.9	1068.2	1060.9	1037.1	1006.9	949.7	881.1	790.4	719.9	693.3
10°	1157.3	1158.9	1161.3	1158.5	1143.1	1121.8	1064.9	989.2	876.3	782.4	746.1
12.5°	1246.7	1251.2	1250.4	1251.6	1243.5	1226.6	1171.0	1099.6	967.8	849.7	802.5
15°	1360.8	1356.4	1360.0	1365.2	1356.4	1337.8	1288.7	1204.0	1063.7	924.7	866.2
17.5°	1485.8	1476.5	1486.2	1480.9	1474.5	1462.4	1408.4	1318.1	1162.9	1005.7	937.2
20°	1593.8	1587.7	1593.0	1593.8	1595.0	1592.6	1537.0	1441.0	1266.9	1094.0	1013.8
22.5°	1715.1	1712.3	1711.5	1711.9	1713.1	1715.9	1678.0	1575.7	1382.2	1186.7	1096.4
25°	1884.8	1882.0	1863.5	1842.9	1830.8	1839.7	1819.9	1728.4	1509.5	1290.7	1187.1
27.5°	2075.1	2070.6	2046.1	1994.1	1955.4	1961.8	1959.8	1896.9	1656.3	1410.0	1295.9
30°	2272.6	2261.7	2227.8	2154.9	2094.0	2082.7	2088.4	2067.4	1840.9	1568.4	1447.5
32.5°	2448.7	2428.6	2383.8	2310.1	2237.5	2204.9	2205.7	2214.9	2041.6	1753.0	1606.3
35°	2556.4	2543.1	2509.6	2435.0	2354.0	2332.2	2326.2	2372.5	2225.8	1923.9	1748.6
37.5°	2614.4	2601.5	2565.6	2505.6	2444.3	2435.4	2446.7	2518.5	2435.0	2137.1	1942.1
40°	2603.9	2590.2	2566.8	2524.9	2484.6	2491.5	2541.4	2652.3	2663.6	2392.3	2217.8
42.5°	2517.7	2503.1	2501.1	2498.3	2479.4	2509.6	2599.9	2750.2	2873.6	2687.0	2551.5
45°	2365.3	2356.4	2366.9	2415.3	2439.1	2497.5	2627.3	2797.8	3058.2	2986.4	2867.1
47.5°	2172.2	2167.0	2190.8	2267.3	2344.3	2460.4	2645.4	2810.7	3185.2	3185.2	3073.9
50°	1956.2	1954.1	1985.6	2096.8	2217.4	2392.3	2643.4	2822.8	3240.8	3243.6	3146.9
52.5°	1654.7	1665.1	1749.0	1895.7	2059.4	2285.5	2615.2	2856.7	3272.2	3278.7	3195.6
55°	1307.2	1317.3	1443.8	1641.4	1851.0	2155.7	2531.0	2846.6	3278.3	3292.8	3223.5
57.5°	1043.6	1045.6	1124.6	1359.2	1618.8	1989.6	2433.8	2779.7	3260.5	3323.8	3266.2
60°	816.6	823.1	875.9	1061.7	1349.5	1775.6	2325.4	2713.6	3270.6	3353.2	3304.9
62.5°	608.3	609.9	659.0	802.9	1072.2	1502.7	2178.3	2643.0	3284.7	3386.3	3320.6
65°	396.2	395.8	443.4	573.2	800.9	1208.0	1947.3	2532.6	3285.9	3379.0	3248.4
67.5°	251.9	253.5	274.1	355.9	536.1	911.8	1632.9	2327.4	3228.7	3203.3	2985.6
70°	204.4	204.8	211.2	232.6	326.5	623.2	1227.4	2006.5	3047.7	2853.0	2595.0
72.5°	182.2	182.6	185.8	188.2	217.7	374.5	805.4	1629.3	2726.1	2431.8	2152.9
75°	163.7	163.7	165.7	163.2	178.6	235.0	457.1	1225.0	2245.2	1893.7	1626.4
77.5°	143.5	143.1	143.1	141.9	154.4	171.7	229.0	854.9	1617.2	1291.5	1054.9
80°	121.7	120.9	122.1	121.3	133.4	130.2	133.4	527.6	876.7	592.1	449.0
82.5°	94.7	94.7	98.4	99.2	110.0	94.3	93.9	250.3	332.9	221.3	165.7
85°	49.6	55.6	75.0	78.2	83.0	59.3	68.9	116.9	133.4	84.6	60.5
87.5°	14.9	15.7	46.0	51.6	51.2	29.8	42.3	56.4	62.5	37.5	24.6
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°	595.4	595.4	595.4	595.4	595.4	595.4	595.4	595.4	595.4	595.4	595.4
2.5°	602.6	588.5	558.7	532.1	511.9	492.6	479.3	472.4	463.5	464.8	461.9
5°	621.2	592.1	539.3	496.6	468.0	446.2	432.9	426.1	419.6	416.4	418.8
7.5°	649.0	603.8	530.1	478.5	448.6	430.1	422.8	420.8	419.2	418.0	420.0
10°	684.8	624.4	528.4	472.0	444.6	433.3	430.5	429.3	427.7	426.1	427.3
12.5°	721.5	646.9	534.1	473.6	451.1	442.6	439.0	437.3	433.3	431.3	431.7
15°	767.5	674.4	541.7	480.1	459.5	448.6	443.8	439.4	432.9	430.1	431.3
17.5°	816.6	707.0	552.2	486.1	462.7	449.4	439.8	433.3	426.9	422.8	423.2
20°	872.3	739.3	561.5	488.1	461.1	442.6	430.9	423.2	414.8	410.3	409.1
22.5°	929.9	773.1	568.8	486.5	452.3	430.9	417.6	408.3	398.2	391.4	391.8
25°	1000.0	819.1	574.8	480.9	440.6	415.6	400.7	389.0	378.5	372.0	372.4
27.5°	1084.3	871.1	582.1	472.0	426.5	399.1	381.7	370.0	360.0	353.9	353.1
30°	1196.8	938.8	590.1	461.1	408.7	380.9	364.0	351.9	342.2	336.6	336.6
32.5°	1323.3	1021.4	595.8	448.2	389.0	361.6	346.2	336.6	329.3	321.7	320.9
35°	1433.4	1085.5	613.1	438.2	371.6	343.4	332.9	326.1	315.2	308.0	306.7
37.5°	1595.0	1198.4	664.3	435.3	350.7	329.3	327.3	314.4	301.9	288.2	287.0
40°	1855.4	1393.9	723.9	421.6	328.9	321.7	319.6	302.3	272.9	264.4	262.8
42.5°	2186.7	1629.3	730.4	381.7	313.6	315.2	309.2	275.3	262.4	256.0	254.3
45°	2485.8	1820.3	693.7	341.0	302.3	305.5	293.0	265.2	258.0	251.9	250.3
47.5°	2653.9	1879.2	624.4	310.4	293.8	297.1	267.2	260.4	253.1	247.1	245.5
50°	2701.1	1828.0	543.8	292.6	287.4	288.6	260.4	256.4	249.9	245.1	242.7
52.5°	2710.3	1751.4	469.2	282.2	282.6	271.7	254.3	251.1	247.1	239.4	236.6
55°	2714.4	1682.5	402.3	275.7	279.3	249.9	247.9	245.5	242.3	234.2	232.6
57.5°	2724.8	1594.2	349.9	270.9	275.3	239.8	240.6	239.0	235.0	231.4	230.6
60°	2695.0	1472.1	309.6	266.0	269.7	231.4	232.2	233.0	229.4	228.5	228.1
62.5°	2595.0	1298.7	275.3	259.6	258.0	222.9	222.9	226.1	222.9	224.1	224.1
65°	2389.1	1077.8	244.7	247.5	239.8	213.6	213.2	218.9	214.0	219.3	219.7
67.5°	2038.0	815.8	213.2	228.5	220.9	204.0	205.6	210.0	203.6	214.4	214.4
70°	1613.1	555.0	180.6	201.9	201.5	193.1	198.3	197.9	190.7	206.8	204.0
72.5°	1201.6	356.3	147.1	169.3	176.1	181.4	191.1	182.6	175.7	185.0	176.6
75°	839.6	223.3	116.1	133.8	146.7	168.5	182.2	165.3	155.2	152.4	149.9
77.5°	502.6	142.7	91.5	102.0	114.5	153.2	170.9	147.1	131.8	130.2	125.4
80°	231.8	93.1	69.7	76.2	81.4	131.4	155.6	125.8	107.2	105.6	100.0
82.5°	104.8	61.3	52.0	54.4	54.8	104.4	131.4	99.6	81.8	132.6	114.9
85°	48.8	39.5	33.9	32.2	32.6	69.7	95.5	68.5	93.1	72.6	55.2
87.5°	21.0	20.2	17.3	13.7	12.5	14.9	36.7	28.6	40.7	16.1	10.9
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)