

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: P672113

Luminaire Tested: **CCP-SA-1D-740-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672113
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-740-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ T2R distribution lens
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

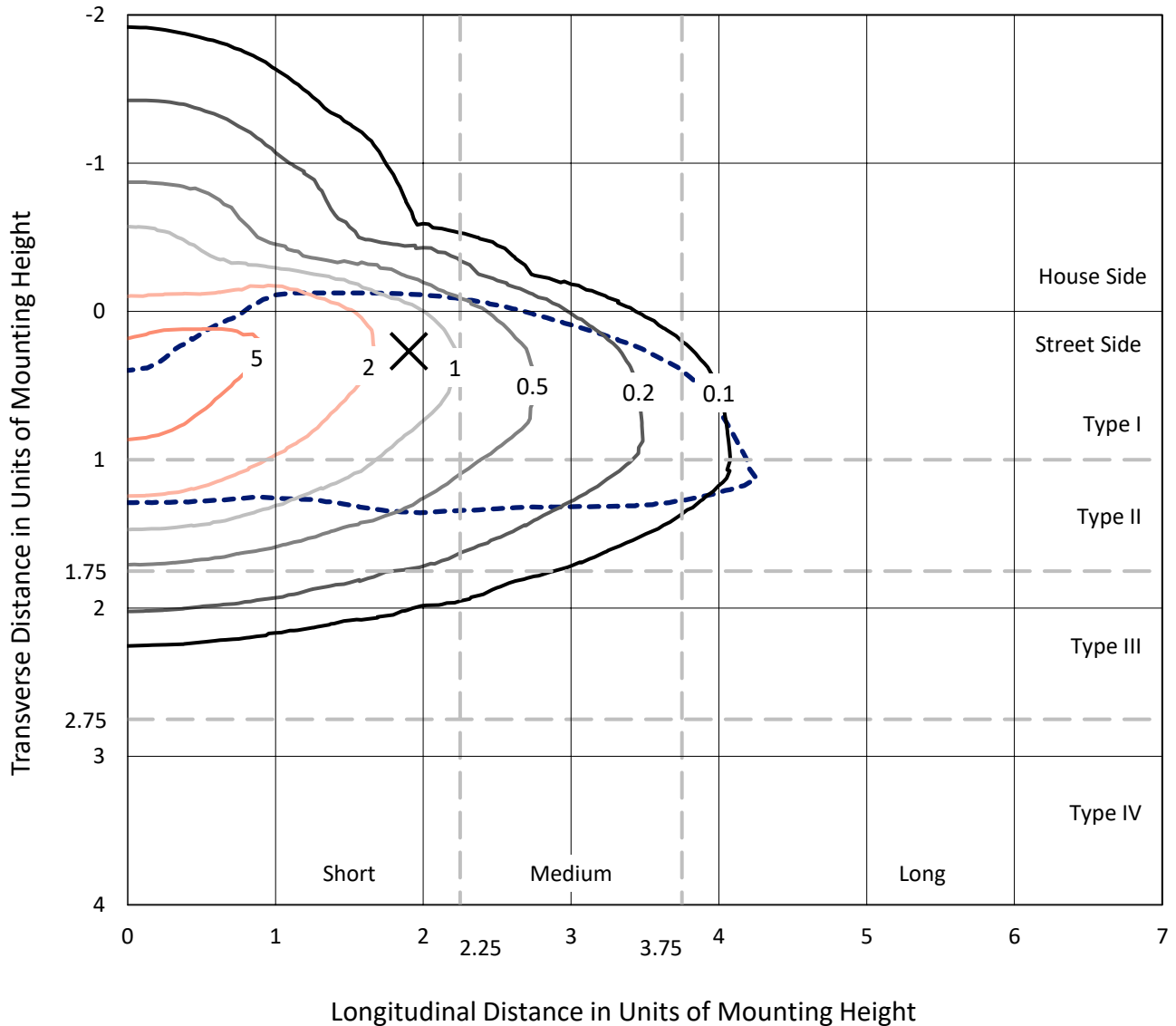
Lumens per Lamp: N/A
Luminaire Lumens: 5664.8 lumens
Efficiency: N/A
Efficacy: 128.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 44
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: P672113
 CATALOG NUMBER: CCP-SA-1D-740-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

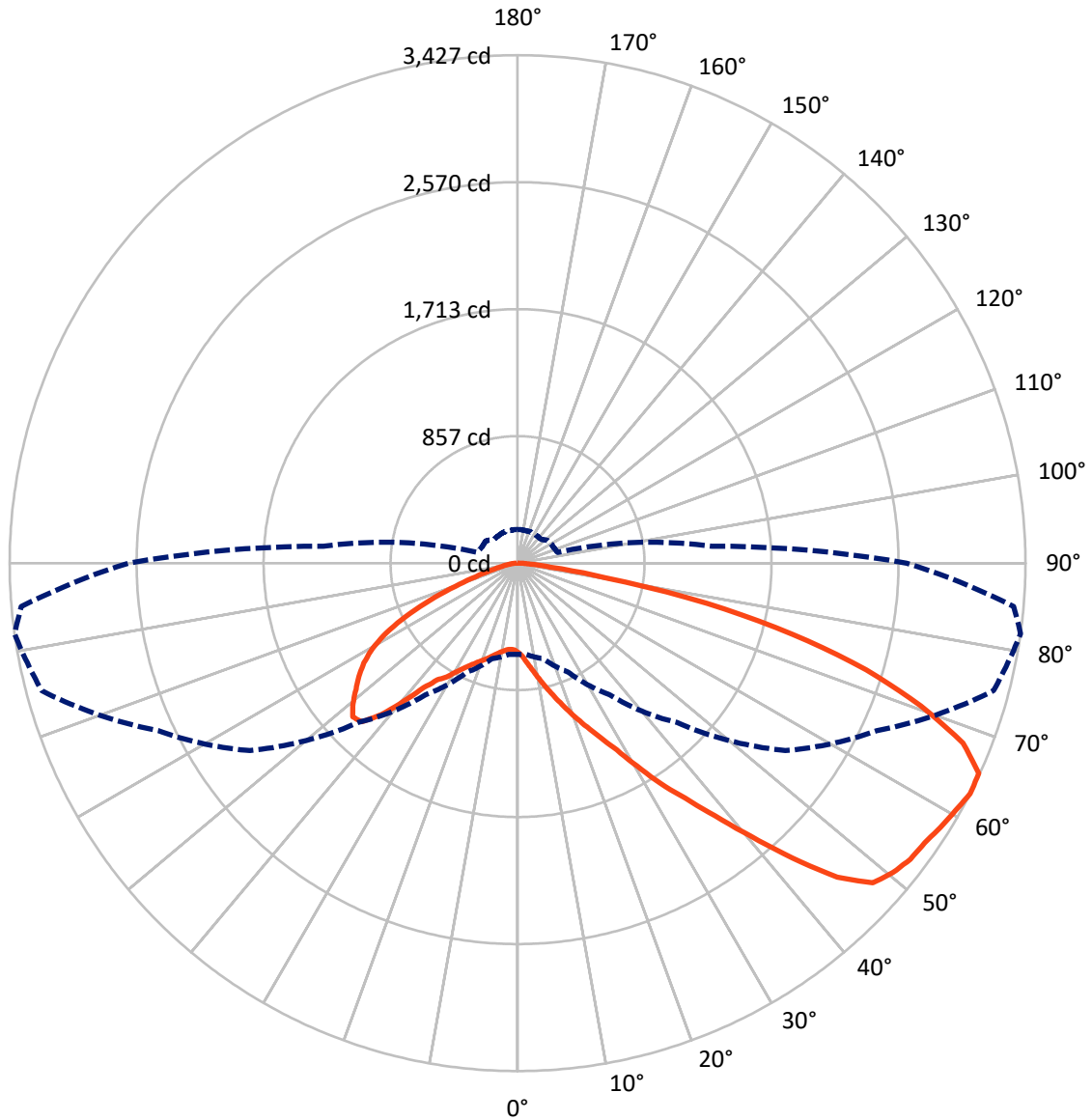
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P672113
CATALOG NUMBER: CCP-SA-1D-740-U-T2R

Luminous Intensity Polar Plot



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

REPORT NUMBER: P672113
 CATALOG NUMBER: CCP-SA-1D-740-U-T2R

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1067.2	0.0	1067.2
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	4597.6	0.0	4597.6
	% Fixture	81.2	0.0	81.2
Total	Lumens	5664.8	0.0	5664.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.7	1.2
10°-20°	251.4	4.4
20°-30°	520.7	9.2
30°-40°	883.8	15.6
40°-50°	1203.5	21.2
50°-60°	1218.2	21.5
60°-70°	960.1	16.9
70°-80°	473.0	8.3
80°-90°	87.5	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°	5664.8	100.0
0°-180°	5664.8	100.0



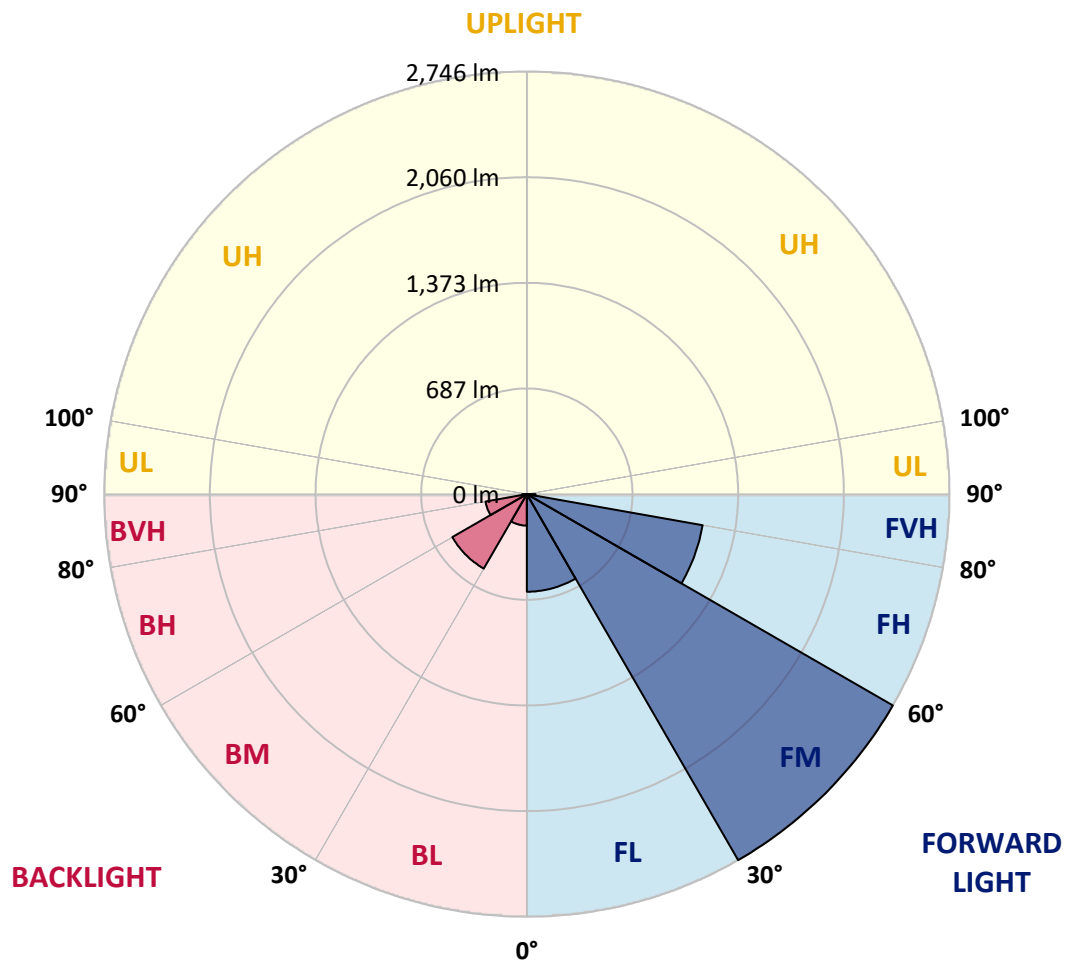
REPORT NUMBER: P672113
 CATALOG NUMBER: CCP-SA-1D-740-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	634.0	11.2			
FM (30°-60°)	2746.5	48.5			
FH (60°-80°)	1160.2	20.5			G1/1800
FVH (80°-90°)	56.8	1.0			G1/100
BL (0°-30°)	204.8	3.6	B1/500		
BM (30°-60°)	559.0	9.9	B1/1000		
BH (60°-80°)	272.8	4.8	B1/500		G1/500
BVH (80°-90°)	30.6	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





REPORT NUMBER: P672113
 CATALOG NUMBER: CCP-SA-1D-740-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	602.4	602.4	602.4	602.4	602.4	602.4	602.4	602.4	602.4	602.4	602.4
2.5°	802.3	790.0	783.5	776.2	755.8	742.7	718.2	689.7	656.7	628.5	623.2
5°	971.5	959.3	960.9	943.0	913.2	885.5	839.8	786.0	723.1	675.0	658.3
7.5°	1091.0	1077.6	1080.8	1073.5	1049.4	1018.8	960.9	891.6	799.8	728.4	701.5
10°	1171.0	1172.6	1175.1	1172.2	1156.7	1135.1	1077.6	1000.9	886.7	791.7	755.0
12.5°	1261.5	1266.0	1265.2	1266.4	1258.3	1241.1	1184.8	1112.6	979.3	859.8	812.1
15°	1376.9	1372.5	1376.1	1381.4	1372.5	1353.7	1303.9	1218.3	1076.3	935.6	876.5
17.5°	1503.4	1494.0	1503.8	1498.5	1492.0	1479.7	1425.1	1333.7	1176.7	1017.6	948.3
20°	1612.7	1606.6	1611.9	1612.7	1613.9	1611.5	1555.2	1458.1	1281.9	1106.9	1025.8
22.5°	1735.5	1732.6	1731.8	1732.2	1733.4	1736.3	1697.9	1594.3	1398.6	1200.7	1109.4
25°	1907.2	1904.3	1885.5	1864.7	1852.5	1861.5	1841.5	1748.9	1527.4	1306.0	1201.2
27.5°	2099.7	2095.2	2070.3	2017.7	1978.5	1985.1	1983.0	1919.4	1675.9	1426.7	1311.3
30°	2299.5	2288.5	2254.3	2180.4	2118.8	2107.4	2113.1	2091.9	1862.7	1587.0	1464.6
32.5°	2477.8	2457.4	2412.1	2337.5	2264.0	2231.0	2231.8	2241.2	2065.8	1773.8	1625.3
35°	2586.7	2573.2	2539.4	2463.9	2381.9	2359.9	2353.8	2400.7	2252.2	1946.7	1769.3
37.5°	2645.4	2632.3	2596.0	2535.3	2473.3	2464.3	2475.7	2548.3	2463.9	2162.5	1965.1
40°	2634.8	2620.9	2597.3	2554.9	2514.1	2521.0	2571.6	2683.7	2695.2	2420.7	2244.1
42.5°	2547.5	2532.8	2530.8	2527.9	2508.8	2539.4	2630.7	2782.8	2907.7	2718.8	2581.8
45°	2393.3	2384.4	2395.0	2443.9	2468.0	2527.1	2658.4	2831.0	3094.5	3021.9	2901.1
47.5°	2198.0	2192.7	2216.7	2294.2	2372.1	2489.6	2676.8	2844.0	3222.9	3222.9	3110.4
50°	1979.4	1977.3	2009.1	2121.7	2243.7	2420.7	2674.8	2856.3	3279.2	3282.1	3184.2
52.5°	1674.3	1684.9	1769.7	1918.2	2083.8	2312.6	2646.2	2890.5	3311.0	3317.6	3233.5
55°	1322.7	1332.9	1461.0	1660.8	1872.9	2181.2	2561.0	2880.3	3317.1	3331.8	3261.7
57.5°	1056.0	1058.0	1137.9	1375.3	1638.0	2013.2	2462.7	2812.6	3299.2	3363.2	3304.9
60°	826.3	832.9	886.3	1074.3	1365.5	1796.6	2353.0	2745.7	3309.4	3393.0	3344.1
62.5°	615.5	617.1	666.9	812.5	1084.9	1520.5	2204.1	2674.4	3323.7	3426.5	3360.0
65°	400.9	400.5	448.6	580.0	810.4	1222.4	1970.4	2562.6	3324.9	3419.1	3287.0
67.5°	254.9	256.5	277.3	360.1	542.5	922.6	1652.3	2355.0	3267.0	3241.3	3021.0
70°	206.8	207.2	213.7	235.3	330.4	630.6	1241.9	2030.3	3083.8	2886.9	2625.8
72.5°	184.4	184.8	188.0	190.5	220.2	378.9	814.9	1648.6	2758.4	2460.6	2178.4
75°	165.6	165.6	167.6	165.2	180.7	237.8	462.5	1239.5	2271.8	1916.1	1645.7
77.5°	145.2	144.8	144.8	143.6	156.2	173.7	231.7	865.1	1636.3	1306.8	1067.4
80°	123.2	122.4	123.6	122.8	135.0	131.7	135.0	533.9	887.1	599.2	454.4
82.5°	95.8	95.8	99.5	100.3	111.3	95.4	95.0	253.3	336.9	223.9	167.6
85°	50.2	56.3	75.9	79.1	84.0	60.0	69.7	118.3	135.0	85.7	61.2
87.5°	15.1	15.9	46.5	52.2	51.8	30.2	42.8	57.1	63.2	37.9	24.9
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: P672113
 CATALOG NUMBER: CCP-SA-1D-740-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	602.4	602.4	602.4	602.4	602.4	602.4	602.4	602.4	602.4	602.4	602.4
2.5°	609.8	595.5	565.3	538.4	518.0	498.4	484.9	478.0	469.0	470.3	467.4
5°	628.5	599.2	545.7	502.5	473.5	451.5	438.0	431.1	424.6	421.3	423.8
7.5°	656.7	611.0	536.3	484.1	454.0	435.2	427.8	425.8	424.2	423.0	425.0
10°	693.0	631.8	534.7	477.6	449.9	438.5	435.6	434.4	432.7	431.1	432.3
12.5°	730.1	654.6	540.4	479.2	456.4	447.8	444.2	442.5	438.5	436.4	436.8
15°	776.6	682.4	548.2	485.8	465.0	454.0	449.1	444.6	438.0	435.2	436.4
17.5°	826.3	715.4	558.8	491.9	468.2	454.8	445.0	438.5	431.9	427.8	428.3
20°	882.6	748.0	568.2	493.9	466.6	447.8	436.0	428.3	419.7	415.2	414.0
22.5°	940.9	782.3	575.5	492.3	457.6	436.0	422.5	413.2	403.0	396.0	396.4
25°	1011.9	828.8	581.6	486.6	445.8	420.5	405.4	393.6	383.0	376.5	376.9
27.5°	1097.2	881.4	589.0	477.6	431.5	403.8	386.2	374.4	364.2	358.1	357.3
30°	1210.9	949.9	597.1	466.6	413.6	385.4	368.3	356.1	346.3	340.6	340.6
32.5°	1339.0	1033.5	602.8	453.5	393.6	365.9	350.4	340.6	333.2	325.5	324.7
35°	1450.4	1098.4	620.4	443.3	376.0	347.5	336.9	330.0	318.9	311.6	310.4
37.5°	1613.9	1212.6	672.2	440.5	354.8	333.2	331.2	318.1	305.5	291.6	290.4
40°	1877.4	1410.4	732.5	426.6	332.8	325.5	323.4	305.9	276.1	267.6	265.9
42.5°	2212.7	1648.6	739.0	386.2	317.3	318.9	312.8	278.6	265.5	259.0	257.4
45°	2515.3	1841.9	701.9	345.1	305.9	309.2	296.5	268.4	261.0	254.9	253.3
47.5°	2685.4	1901.5	631.8	314.1	297.3	300.6	270.4	263.5	256.1	250.0	248.4
50°	2733.1	1849.7	550.2	296.1	290.8	292.0	263.5	259.4	252.9	248.0	245.5
52.5°	2742.5	1772.2	474.8	285.5	285.9	274.9	257.4	254.1	250.0	242.3	239.4
55°	2746.5	1702.4	407.0	279.0	282.6	252.9	250.8	248.4	245.1	237.0	235.3
57.5°	2757.2	1613.1	354.0	274.1	278.6	242.7	243.5	241.9	237.8	234.1	233.3
60°	2727.0	1489.5	313.2	269.2	272.9	234.1	234.9	235.7	232.1	231.3	230.9
62.5°	2625.8	1314.1	278.6	262.7	261.0	225.5	225.5	228.8	225.5	226.8	226.8
65°	2417.4	1090.6	247.6	250.4	242.7	216.2	215.8	221.5	216.6	221.9	222.3
67.5°	2062.2	825.5	215.8	231.3	223.5	206.4	208.0	212.5	206.0	217.0	217.0
70°	1632.3	561.6	182.7	204.3	203.9	195.4	200.7	200.3	192.9	209.2	206.4
72.5°	1215.8	360.6	148.9	171.3	178.2	183.5	193.3	184.8	177.8	187.2	178.6
75°	849.6	226.0	117.5	135.4	148.5	170.5	184.4	167.2	157.0	154.2	151.7
77.5°	508.6	144.4	92.6	103.2	115.8	155.0	172.9	148.9	133.4	131.7	126.8
80°	234.5	94.2	70.6	77.1	82.4	133.0	157.4	127.3	108.5	106.9	101.1
82.5°	106.0	62.0	52.6	55.1	55.5	105.6	133.0	100.7	82.8	134.2	116.2
85°	49.4	40.0	34.3	32.6	33.0	70.6	96.7	69.3	94.2	73.4	55.9
87.5°	21.2	20.4	17.5	13.9	12.6	15.1	37.1	29.0	41.2	16.3	11.0
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)