

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: P670876

Luminaire Tested: **CCP-SA-2B-835-U-T3**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P670876
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-835-U-T3
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T3
distribution lens
Light Source: (32) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5749.8 lumens
Efficiency: N/A
Efficacy: 125.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 46
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

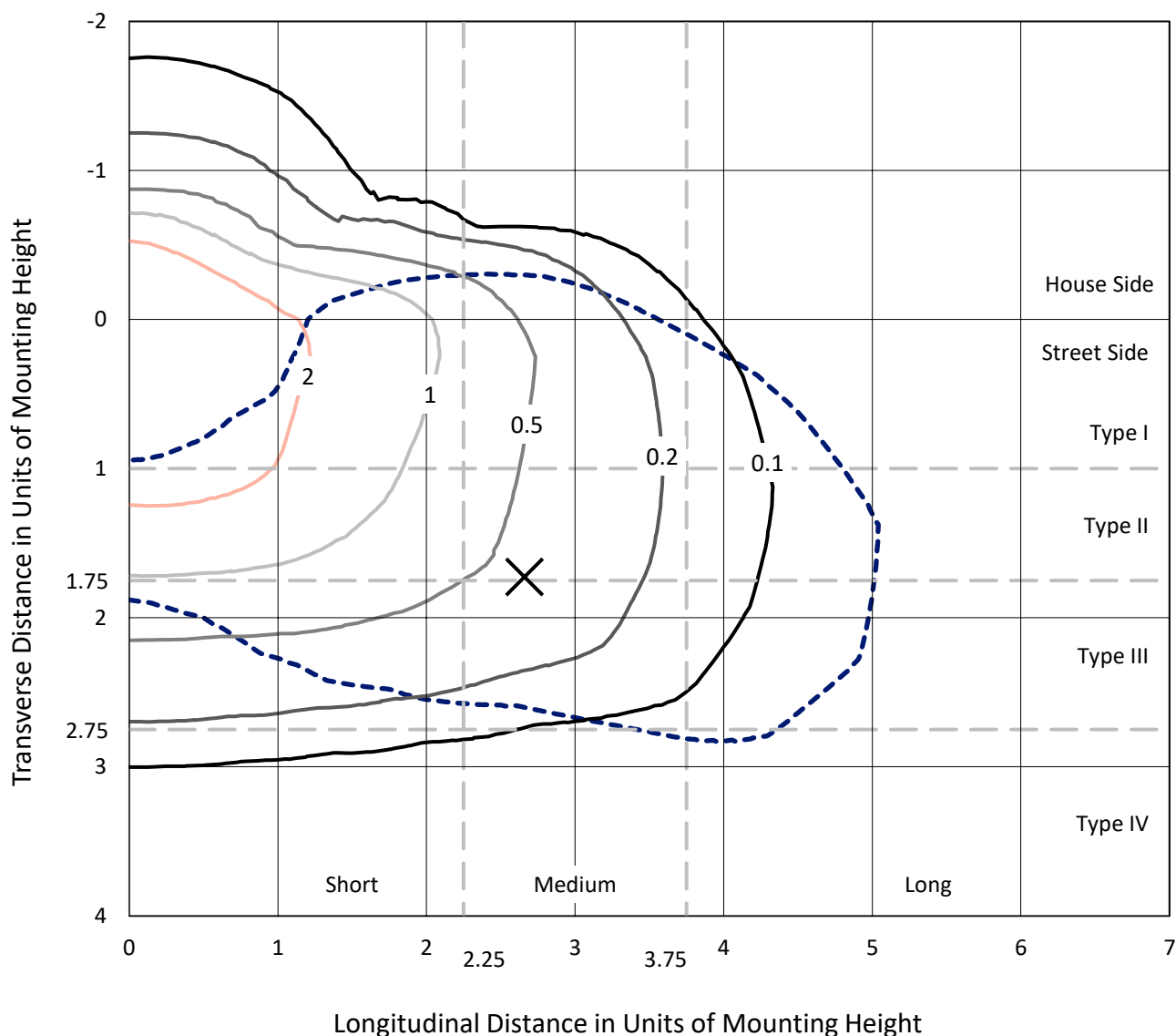
REPORT NUMBER: P670876

CATALOG NUMBER: CCP-SA-2B-835-U-T3

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

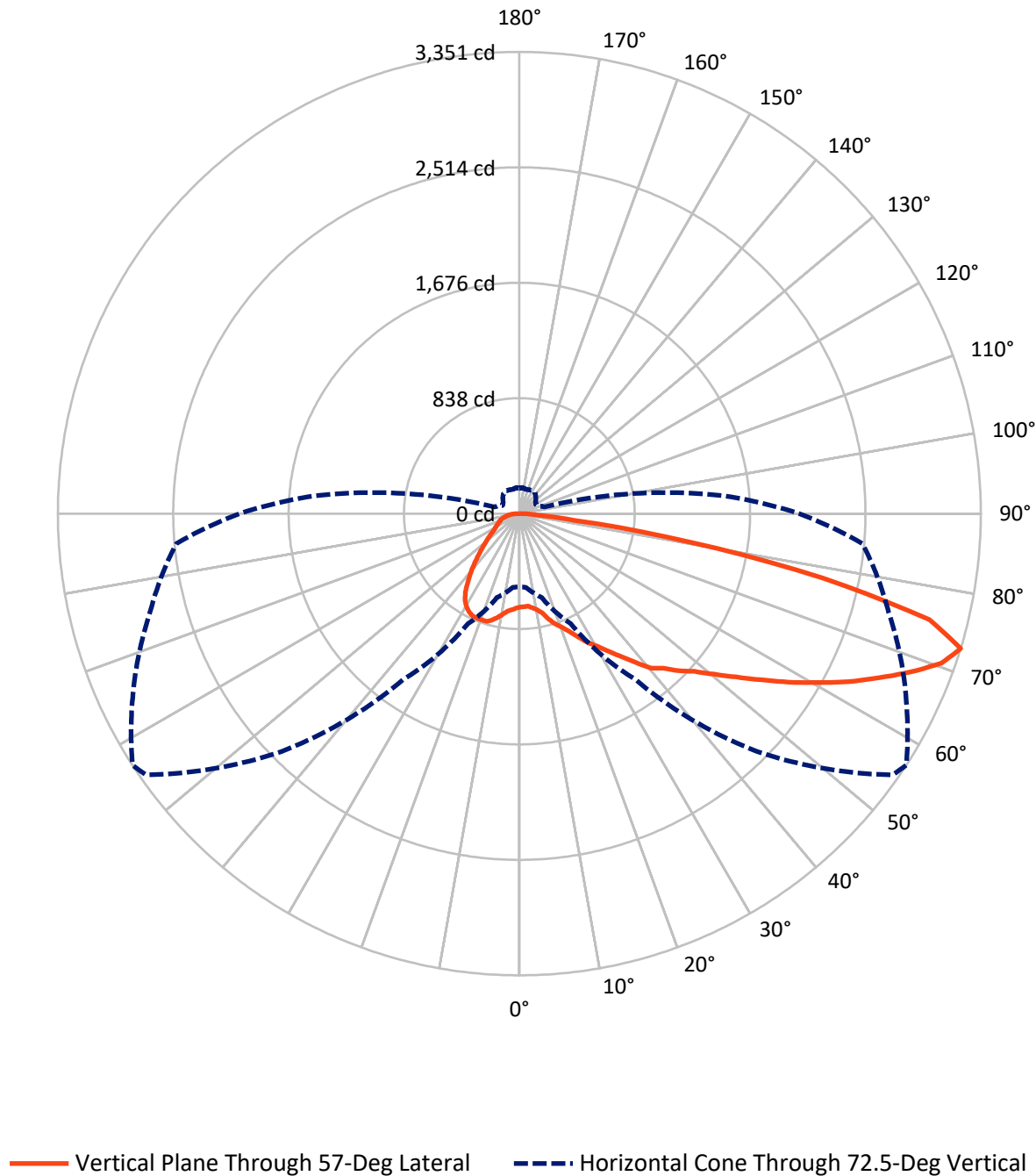
--- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.5 fc
 Type III - Medium - N/A

REPORT NUMBER: P670876
CATALOG NUMBER: CCP-SA-2B-835-U-T3

Luminous Intensity Polar Plot



REPORT NUMBER: P670876

CATALOG NUMBER: CCP-SA-2B-835-U-T3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1342.8	0.0	1342.8
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	4407.0	0.0	4407.0
	% Fixture	76.6	0.0	76.6
Total	Lumens	5749.8	0.0	5749.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.4	1.2
10°-20°	227.0	3.9
20°-30°	415.0	7.2
30°-40°	608.9	10.6
40°-50°	838.4	14.6
50°-60°	1149.7	20.0
60°-70°	1385.8	24.1
70°-80°	923.2	16.1
80°-90°	134.5	2.3
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°	5749.8	100.0
0°-180°	5749.8	100.0

Coefficient of Utilization



REPORT NUMBER: P670876

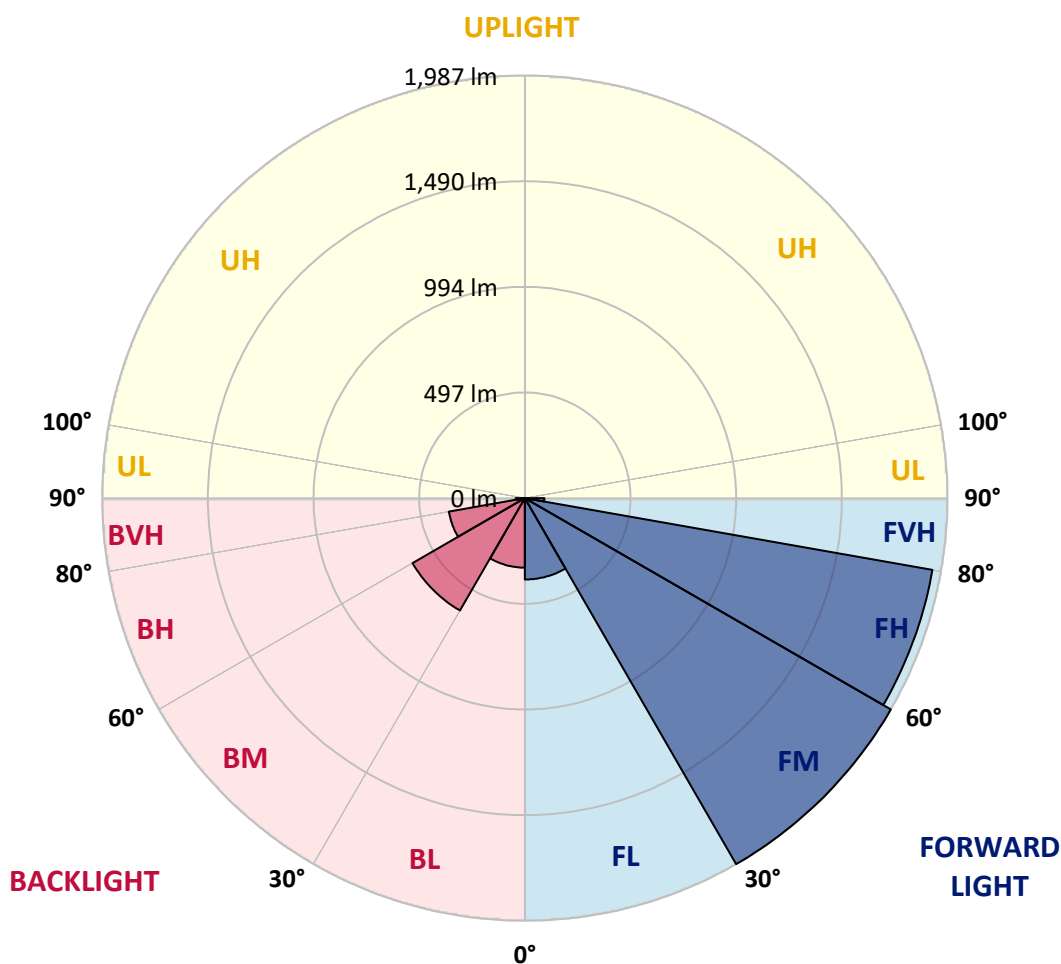
CATALOG NUMBER: CCP-SA-2B-835-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	382.5	6.7			
FM	(30°-60°)	1987.0	34.6			
FH	(60°-80°)	1945.9	33.8			G2/5000
FVH	(80°-90°)	91.6	1.6			G1/100
BL	(0°-30°)	326.9	5.7	B1/500		
BM	(30°-60°)	609.9	10.6	B1/1000		
BH	(60°-80°)	363.1	6.3	B1/500		G1/500
BVH	(80°-90°)	42.9	0.7			G1/100
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 Medium





REPORT NUMBER: P670876

CATALOG NUMBER: CCP-SA-2B-835-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	678.7	678.7	678.7	678.7	678.7	678.7	678.7	678.7	678.7	678.7	678.7
2.5°	666.1	668.2	672.4	670.3	670.3	664.0	674.5	676.6	672.4	674.5	678.7
5°	666.1	670.3	676.6	672.4	674.5	672.4	668.2	674.5	674.5	676.6	682.8
7.5°	701.7	699.6	699.6	693.3	691.2	689.1	691.2	691.2	687.0	689.1	689.1
10°	741.5	741.5	737.3	737.3	733.1	722.6	712.2	710.1	703.8	705.9	705.9
12.5°	783.4	787.6	791.8	779.2	775.0	758.3	752.0	739.4	739.4	735.2	733.1
15°	835.8	829.5	833.7	829.5	819.0	802.2	791.8	793.9	779.2	775.0	768.7
17.5°	881.8	883.9	877.7	873.5	854.6	842.0	844.1	842.0	823.2	816.9	806.4
20°	936.3	934.2	934.2	921.6	904.9	888.1	881.8	879.7	883.9	871.4	846.2
22.5°	992.9	984.5	984.5	974.0	951.0	940.5	936.3	927.9	932.1	921.6	883.9
25°	1038.9	1038.9	1053.6	1032.7	1020.1	999.1	990.8	992.9	994.9	974.0	930.0
27.5°	1099.7	1089.2	1103.9	1093.4	1087.1	1064.1	1053.6	1059.9	1055.7	1032.7	971.9
30°	1177.2	1179.3	1170.9	1156.2	1147.9	1131.1	1124.8	1118.5	1124.8	1095.5	1018.0
32.5°	1273.5	1279.8	1258.9	1242.1	1227.5	1210.7	1198.1	1191.8	1198.1	1154.1	1053.6
35°	1384.6	1390.8	1374.1	1355.2	1338.5	1296.6	1286.1	1275.6	1252.6	1181.4	1087.1
37.5°	1487.2	1478.8	1474.6	1474.6	1443.2	1382.5	1376.2	1369.9	1325.9	1235.8	1133.2
40°	1556.3	1566.8	1562.6	1558.4	1554.2	1497.7	1485.1	1474.6	1401.3	1317.5	1198.1
42.5°	1633.8	1627.5	1644.3	1650.6	1635.9	1619.2	1568.9	1533.3	1468.3	1401.3	1294.5
45°	1726.0	1721.8	1728.1	1751.1	1730.2	1736.4	1652.7	1627.5	1545.8	1506.0	1416.0
47.5°	1807.7	1818.1	1849.6	1855.8	1839.1	1868.4	1751.1	1711.3	1658.9	1627.5	1541.6
50°	1843.3	1855.8	1927.1	1971.0	1973.1	2019.2	1849.6	1832.8	1761.6	1774.2	1698.7
52.5°	1814.0	1853.7	1939.6	2054.8	2126.1	2172.1	1979.4	1971.0	1906.1	1945.9	1870.5
55°	1841.2	1878.9	1935.4	2096.7	2276.9	2287.3	2159.6	2128.1	2063.2	2117.7	2048.5
57.5°	1853.7	1832.8	1939.6	2142.8	2387.9	2415.1	2331.3	2308.3	2258.0	2310.4	2270.6
60°	1755.3	1780.4	1881.0	2130.2	2394.2	2551.3	2524.0	2490.5	2444.4	2492.6	2469.6
62.5°	1644.3	1661.0	1770.0	2054.8	2429.8	2649.7	2710.5	2685.3	2620.4	2662.3	2702.1
65°	1503.9	1506.0	1627.5	1920.8	2360.6	2706.3	2873.8	2871.7	2825.7	2815.2	2878.0
67.5°	1332.2	1348.9	1445.3	1778.3	2266.4	2769.1	3035.1	3066.5	2974.4	2892.7	2915.7
70°	1022.2	1038.9	1131.1	1457.9	2073.7	2750.3	3234.1	3250.9	3070.7	2863.4	2804.7
72.5°	532.0	536.2	630.5	879.7	1470.4	2442.3	3307.4	3351.4	3095.9	2777.5	2501.0
75°	175.9	175.9	215.7	335.1	693.3	1562.6	2995.3	3074.9	2972.3	2563.8	2046.5
77.5°	104.7	106.8	127.8	167.6	276.5	624.2	2111.4	2251.7	2431.9	2180.5	1495.6
80°	75.4	77.5	96.4	115.2	165.5	201.1	1059.9	1254.7	1493.5	1403.4	798.1
82.5°	56.6	56.6	75.4	85.9	113.1	119.4	295.3	404.3	645.1	502.7	219.9
85°	58.6	58.6	58.6	60.7	77.5	69.1	123.6	132.0	188.5	165.5	60.7
87.5°	20.9	23.0	58.6	39.8	39.8	29.3	48.2	52.4	67.0	69.1	23.0
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: P670876

CATALOG NUMBER: CCP-SA-2B-835-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	678.7	678.7	678.7	678.7	678.7	678.7	678.7	678.7	678.7	678.7	678.7
2.5°	680.8	680.8	682.8	682.8	687.0	691.2	697.5	693.3	693.3	695.4	693.3
5°	678.7	680.8	687.0	697.5	701.7	703.8	716.4	716.4	716.4	720.6	720.6
7.5°	687.0	691.2	701.7	712.2	714.3	720.6	737.3	741.5	752.0	756.2	758.3
10°	708.0	714.3	722.6	735.2	743.6	752.0	764.5	779.2	777.1	789.7	791.8
12.5°	739.4	737.3	752.0	764.5	772.9	785.5	789.7	789.7	789.7	789.7	793.9
15°	764.5	768.7	781.3	789.7	800.1	798.1	789.7	781.3	783.4	781.3	781.3
17.5°	802.2	802.2	812.7	814.8	819.0	798.1	785.5	785.5	791.8	791.8	787.6
20°	839.9	837.9	842.0	839.9	812.7	787.6	785.5	787.6	789.7	787.6	785.5
22.5°	875.6	871.4	865.1	856.7	808.5	785.5	781.3	770.8	760.4	760.4	754.1
25°	907.0	902.8	886.0	860.9	806.4	772.9	752.0	726.8	714.3	708.0	716.4
27.5°	936.3	927.9	904.9	860.9	787.6	739.4	699.6	668.2	657.7	649.3	657.7
30°	976.1	961.4	930.0	854.6	758.3	687.0	632.6	594.9	584.4	571.8	576.0
32.5°	1011.7	978.2	951.0	835.8	720.6	628.4	565.6	527.8	509.0	498.5	506.9
35°	1049.4	1015.9	959.3	806.4	661.9	557.2	494.3	458.7	444.1	429.4	429.4
37.5°	1087.1	1068.3	971.9	752.0	590.7	490.1	433.6	406.4	381.2	354.0	354.0
40°	1166.7	1141.6	986.6	689.1	519.5	425.2	385.4	349.8	324.7	287.0	284.9
42.5°	1250.5	1196.0	986.6	613.7	456.6	379.1	341.4	303.7	257.6	234.6	236.7
45°	1357.3	1294.5	959.3	546.7	393.8	341.4	299.5	251.4	230.4	215.7	215.7
47.5°	1491.4	1392.9	925.8	473.4	343.5	307.9	255.5	226.2	211.6	199.0	196.9
50°	1650.6	1483.0	883.9	410.5	301.6	276.5	232.5	209.5	196.9	188.5	188.5
52.5°	1818.1	1615.0	854.6	354.0	268.1	234.6	215.7	201.1	190.6	184.3	182.2
55°	1987.8	1746.9	833.7	293.2	236.7	215.7	211.6	199.0	194.8	188.5	184.3
57.5°	2178.4	1855.8	829.5	251.4	211.6	207.4	215.7	205.3	199.0	192.7	186.4
60°	2383.7	2002.5	791.8	217.8	199.0	203.2	209.5	199.0	194.8	188.5	184.3
62.5°	2586.9	2111.4	689.1	192.7	186.4	190.6	199.0	190.6	184.3	186.4	188.5
65°	2670.7	2119.8	534.1	173.9	171.8	173.9	186.4	184.3	178.0	190.6	190.6
67.5°	2586.9	2044.4	377.0	157.1	157.1	167.6	188.5	192.7	186.4	203.2	201.1
70°	2396.3	1857.9	255.5	146.6	150.8	178.0	194.8	190.6	182.2	203.2	199.0
72.5°	2033.9	1487.2	186.4	136.2	142.4	169.7	192.7	188.5	182.2	190.6	182.2
75°	1527.0	1057.8	146.6	123.6	125.7	152.9	199.0	188.5	171.8	167.6	161.3
77.5°	1020.1	653.5	113.1	108.9	108.9	134.1	190.6	175.9	155.0	148.7	146.6
80°	486.0	261.8	90.1	92.2	94.3	115.2	173.9	157.1	140.3	132.0	132.0
82.5°	155.0	98.4	75.4	75.4	75.4	94.3	144.5	132.0	121.5	115.2	104.7
85°	54.5	54.5	64.9	67.0	60.7	69.1	119.4	113.1	100.5	83.8	81.7
87.5°	20.9	31.4	44.0	52.4	37.7	48.2	85.9	79.6	73.3	54.5	52.4
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)