

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: P672146

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

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672146
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-827-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ T2R distribution lens
Light Source: (16) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

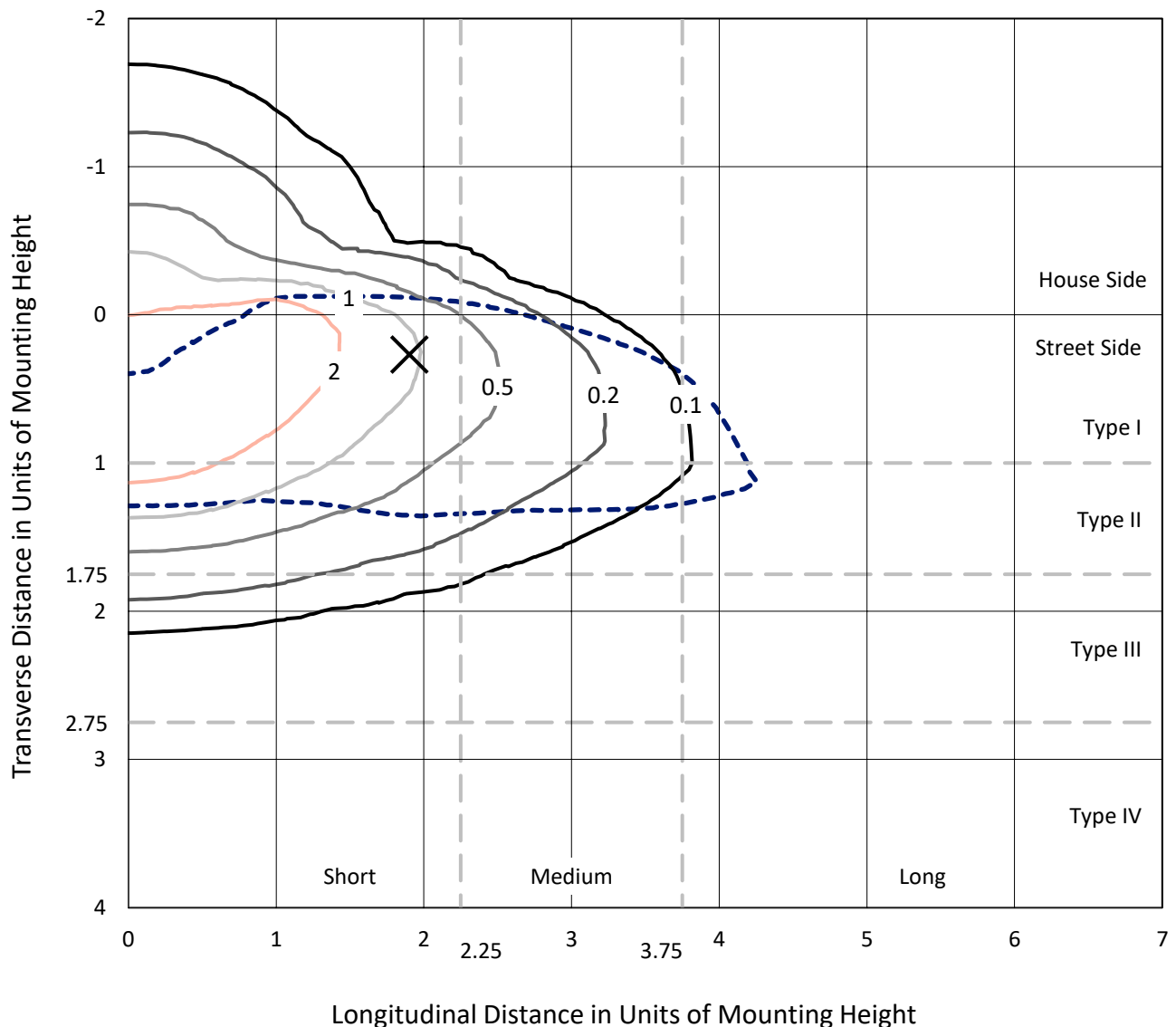
Lumens per Lamp: N/A
Luminaire Lumens: 4164.2 lumens
Efficiency: N/A
Efficacy: 94.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 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

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Iso-Footcandle Lines of Horizontal Illumination

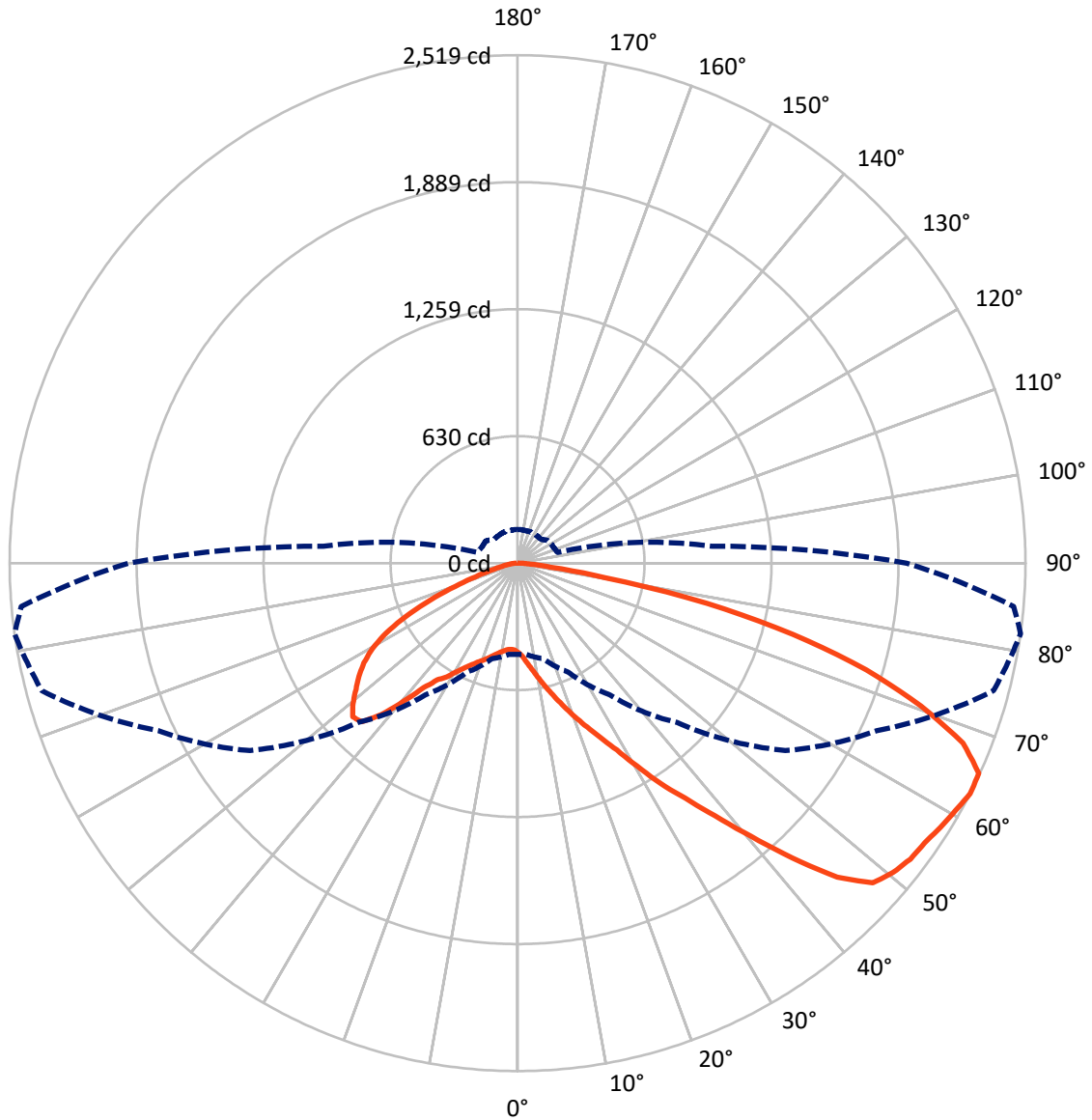
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.9 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	784.5	0.0	784.5
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	3379.7	0.0	3379.7
	% Fixture	81.2	0.0	81.2
Total	Lumens	4164.2	0.0	4164.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.0	1.2
10°-20°	184.8	4.4
20°-30°	382.8	9.2
30°-40°	649.7	15.6
40°-50°	884.7	21.2
50°-60°	895.5	21.5
60°-70°	705.8	16.9
70°-80°	347.7	8.3
80°-90°	64.3	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°	4164.2	100.0
0°-180°	4164.2	100.0



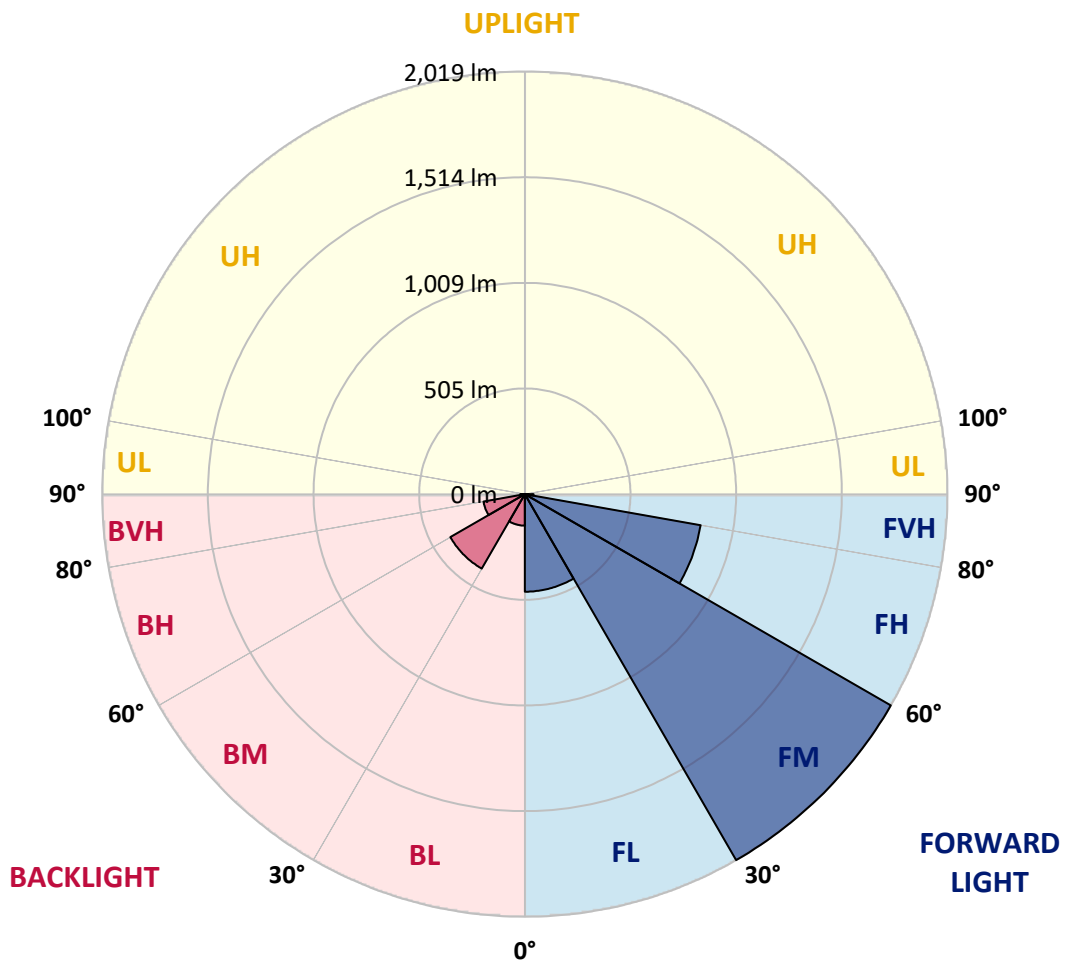
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	466.1	11.2			
FM (30°-60°)	2018.9	48.5			
FH (60°-80°)	852.9	20.5			G1/1800
FVH (80°-90°)	41.8	1.0			G1/100
BL (0°-30°)	150.5	3.6	B1/500		
BM (30°-60°)	410.9	9.9	B1/1000		
BH (60°-80°)	200.5	4.8	B1/500		G1/500
BVH (80°-90°)	22.5	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°	442.8	442.8	442.8	442.8	442.8	442.8	442.8	442.8	442.8	442.8	442.8
2.5°	589.7	580.8	576.0	570.6	555.6	546.0	528.0	507.0	482.7	462.0	458.1
5°	714.2	705.2	706.4	693.2	671.3	650.9	617.3	577.8	531.6	496.2	483.9
7.5°	802.0	792.1	794.5	789.1	771.4	748.9	706.4	655.4	587.9	535.5	515.7
10°	860.8	862.0	863.8	861.7	850.3	834.4	792.1	735.8	651.8	582.0	555.0
12.5°	927.3	930.6	930.0	930.9	924.9	912.4	871.0	817.9	719.9	632.0	596.9
15°	1012.2	1008.9	1011.6	1015.5	1008.9	995.1	958.5	895.6	791.2	687.8	644.3
17.5°	1105.1	1098.2	1105.4	1101.5	1096.7	1087.7	1047.6	980.4	865.0	748.1	697.1
20°	1185.5	1181.0	1184.9	1185.5	1186.4	1184.6	1143.2	1071.9	942.3	813.7	754.0
22.5°	1275.7	1273.6	1273.0	1273.3	1274.2	1276.3	1248.1	1172.0	1028.1	882.7	815.5
25°	1402.0	1399.9	1386.1	1370.8	1361.8	1368.4	1353.7	1285.6	1122.8	960.0	883.0
27.5°	1543.5	1540.2	1521.9	1483.2	1454.4	1459.2	1457.7	1411.0	1232.0	1048.8	963.9
30°	1690.4	1682.3	1657.1	1602.8	1557.6	1549.2	1553.4	1537.8	1369.3	1166.6	1076.7
32.5°	1821.4	1806.4	1773.1	1718.3	1664.3	1640.0	1640.6	1647.5	1518.6	1303.9	1194.8
35°	1901.5	1891.6	1866.7	1811.2	1750.9	1734.8	1730.3	1764.7	1655.6	1431.0	1300.6
37.5°	1944.6	1935.0	1908.4	1863.7	1818.1	1811.5	1819.9	1873.3	1811.2	1589.6	1444.5
40°	1936.8	1926.6	1909.3	1878.1	1848.1	1853.2	1890.4	1972.8	1981.2	1779.4	1649.6
42.5°	1872.7	1861.9	1860.4	1858.3	1844.2	1866.7	1933.8	2045.7	2137.4	1998.6	1897.9
45°	1759.3	1752.7	1760.5	1796.5	1814.2	1857.7	1954.2	2081.0	2274.7	2221.4	2132.6
47.5°	1615.7	1611.8	1629.5	1686.5	1743.8	1830.1	1967.7	2090.6	2369.2	2369.2	2286.4
50°	1455.0	1453.5	1476.9	1559.7	1649.3	1779.4	1966.2	2099.6	2410.6	2412.6	2340.7
52.5°	1230.8	1238.6	1300.9	1410.1	1531.8	1700.0	1945.2	2124.8	2433.9	2438.7	2377.0
55°	972.3	979.8	1074.0	1220.9	1376.8	1603.4	1882.6	2117.3	2438.4	2449.2	2397.7
57.5°	776.2	777.7	836.5	1011.0	1204.1	1479.9	1810.3	2067.6	2425.2	2472.3	2429.4
60°	607.4	612.2	651.5	789.7	1003.8	1320.7	1729.7	2018.4	2432.7	2494.2	2458.2
62.5°	452.4	453.6	490.2	597.2	797.5	1117.7	1620.2	1965.9	2443.2	2518.8	2469.9
65°	294.7	294.4	329.8	426.3	595.7	898.6	1448.4	1883.8	2444.1	2513.4	2416.2
67.5°	187.4	188.6	203.9	264.7	398.8	678.2	1214.6	1731.2	2401.6	2382.7	2220.8
70°	152.0	152.3	157.1	173.0	242.9	463.5	913.0	1492.5	2266.9	2122.1	1930.2
72.5°	135.5	135.8	138.2	140.0	161.9	278.5	599.0	1211.9	2027.7	1808.8	1601.3
75°	121.7	121.7	123.2	121.4	132.8	174.8	340.0	911.2	1670.0	1408.6	1209.8
77.5°	106.7	106.4	106.4	105.5	114.8	127.7	170.3	635.9	1202.9	960.6	784.6
80°	90.5	89.9	90.8	90.2	99.2	96.8	99.2	392.5	652.1	440.4	334.0
82.5°	70.5	70.5	73.2	73.8	81.9	70.2	69.9	186.2	247.7	164.6	123.2
85°	36.9	41.4	55.8	58.2	61.8	44.1	51.3	86.9	99.2	63.0	45.0
87.5°	11.1	11.7	34.2	38.4	38.1	22.2	31.5	42.0	46.5	27.9	18.3
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°	442.8	442.8	442.8	442.8	442.8	442.8	442.8	442.8	442.8	442.8	442.8
2.5°	448.2	437.7	415.6	395.8	380.8	366.4	356.5	351.4	344.8	345.7	343.6
5°	462.0	440.4	401.2	369.4	348.1	331.9	322.0	316.9	312.1	309.7	311.5
7.5°	482.7	449.1	394.3	355.9	333.7	319.9	314.5	313.0	311.8	310.9	312.4
10°	509.4	464.4	393.1	351.1	330.7	322.3	320.2	319.3	318.1	316.9	317.8
12.5°	536.7	481.2	397.3	352.3	335.5	329.2	326.5	325.3	322.3	320.8	321.1
15°	570.9	501.6	403.0	357.1	341.8	333.7	330.1	326.8	322.0	319.9	320.8
17.5°	607.4	525.9	410.8	361.6	344.2	334.3	327.1	322.3	317.5	314.5	314.8
20°	648.8	549.9	417.6	363.1	343.0	329.2	320.5	314.8	308.5	305.2	304.3
22.5°	691.7	575.1	423.0	361.9	336.4	320.5	310.6	303.7	296.2	291.1	291.4
25°	743.9	609.2	427.5	357.7	327.7	309.1	298.0	289.3	281.5	276.7	277.0
27.5°	806.5	647.9	432.9	351.1	317.2	296.8	283.9	275.2	267.7	263.2	262.6
30°	890.2	698.3	438.9	343.0	304.0	283.3	270.7	261.7	254.5	250.3	250.3
32.5°	984.3	759.7	443.1	333.4	289.3	268.9	257.5	250.3	245.0	239.3	238.7
35°	1066.2	807.4	456.0	325.9	276.4	255.4	247.7	242.6	234.5	229.1	228.2
37.5°	1186.4	891.4	494.1	323.8	260.8	245.0	243.5	233.9	224.6	214.4	213.5
40°	1380.1	1036.8	538.5	313.6	244.7	239.3	237.8	224.9	203.0	196.7	195.5
42.5°	1626.5	1211.9	543.3	283.9	233.3	234.5	230.0	204.8	195.2	190.4	189.2
45°	1849.0	1354.0	516.0	253.6	224.9	227.3	218.0	197.3	191.9	187.4	186.2
47.5°	1974.0	1397.8	464.4	230.9	218.6	221.0	198.8	193.7	188.3	183.8	182.6
50°	2009.1	1359.7	404.5	217.7	213.8	214.7	193.7	190.7	185.9	182.3	180.5
52.5°	2016.0	1302.7	349.0	209.9	210.2	202.1	189.2	186.8	183.8	178.1	176.0
55°	2019.0	1251.4	299.2	205.1	207.8	185.9	184.4	182.6	180.2	174.2	173.0
57.5°	2026.8	1185.8	260.2	201.5	204.8	178.4	179.0	177.8	174.8	172.1	171.5
60°	2004.6	1094.9	230.3	197.9	200.6	172.1	172.7	173.3	170.6	170.0	169.7
62.5°	1930.2	966.0	204.8	193.1	191.9	165.8	165.8	168.2	165.8	166.7	166.7
65°	1777.0	801.7	182.0	184.1	178.4	158.9	158.6	162.8	159.2	163.1	163.4
67.5°	1515.9	606.8	158.6	170.0	164.3	151.7	152.9	156.2	151.4	159.5	159.5
70°	1199.9	412.9	134.3	150.2	149.9	143.6	147.5	147.2	141.8	153.8	151.7
72.5°	893.8	265.0	109.4	125.9	131.0	134.9	142.1	135.8	130.7	137.6	131.3
75°	624.5	166.1	86.3	99.5	109.1	125.3	135.5	122.9	115.4	113.3	111.5
77.5°	373.9	106.1	68.1	75.9	85.1	113.9	127.1	109.4	98.0	96.8	93.2
80°	172.4	69.3	51.9	56.7	60.6	97.7	115.7	93.5	79.8	78.6	74.4
82.5°	78.0	45.6	38.7	40.5	40.8	77.7	97.7	74.1	60.9	98.6	85.4
85°	36.3	29.4	25.2	24.0	24.3	51.9	71.1	51.0	69.3	54.0	41.1
87.5°	15.6	15.0	12.9	10.2	9.3	11.1	27.3	21.3	30.3	12.0	8.1
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)