

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: P672035

Luminaire Tested: **CCP-SA-1D-840-U-AFL**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P672035
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-840-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ AFL
distribution lens
Light Source: (16) 4000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4798.4 lumens
Efficiency: N/A
Efficacy: 109.1 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

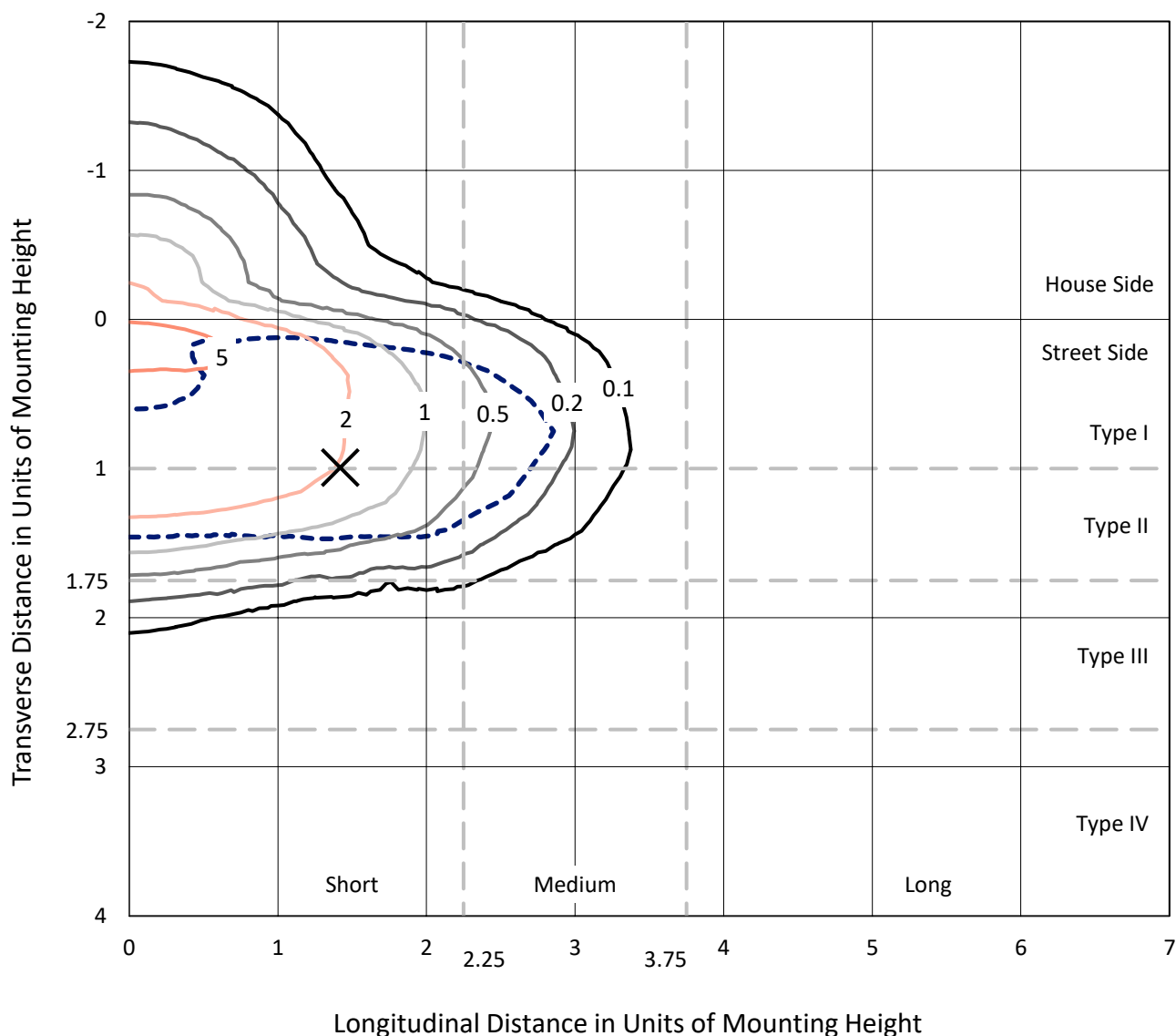
REPORT NUMBER: P672035

CATALOG NUMBER: CCP-SA-1D-840-U-AFL

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

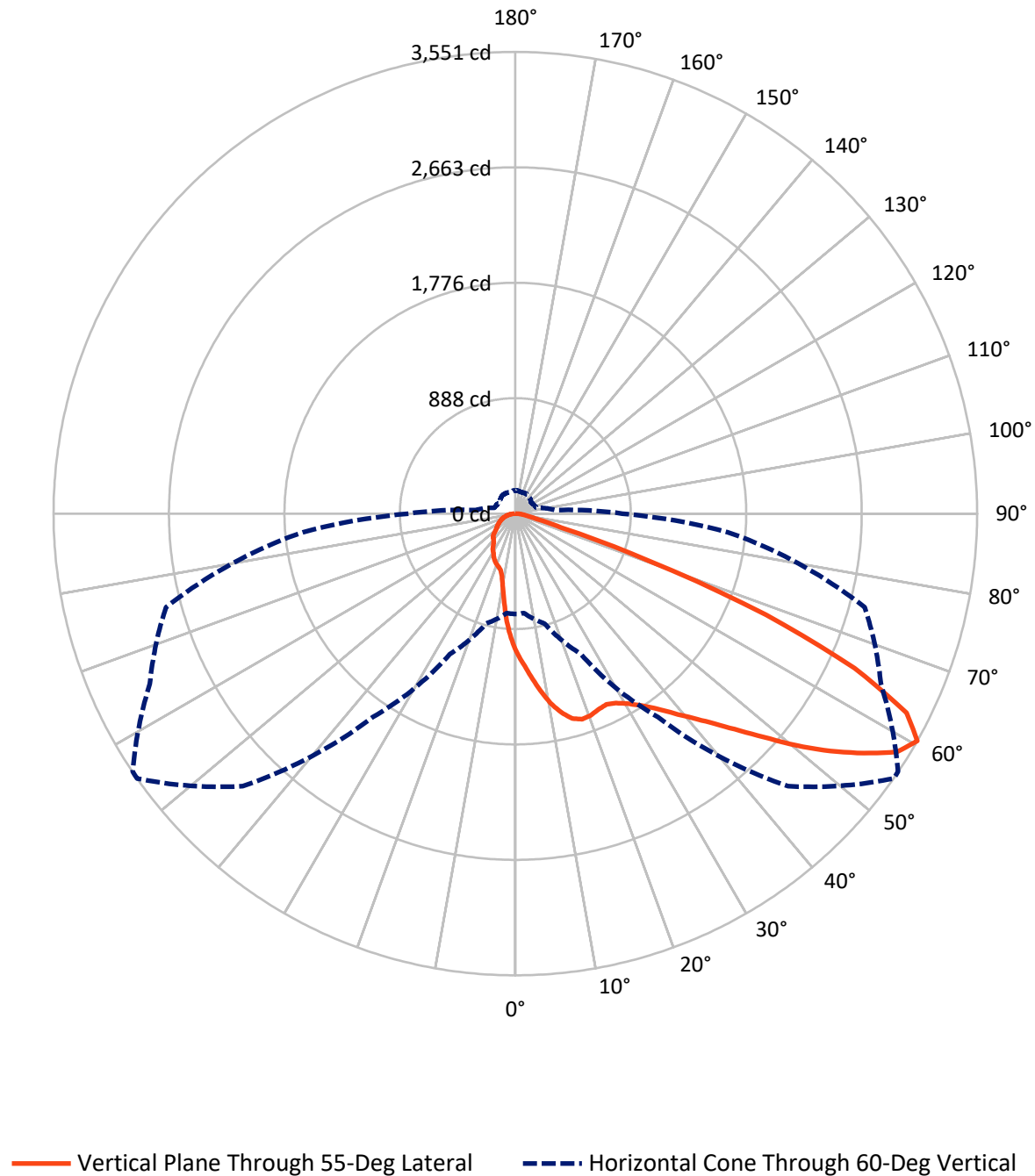


Based on 15 foot mounting height. Maximum calculated value = 6.7 fc

Type II - Short - N/A

REPORT NUMBER: P672035
CATALOG NUMBER: CCP-SA-1D-840-U-AFL

Luminous Intensity Polar Plot



REPORT NUMBER: P672035

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	689.8	0.0	689.8
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	4108.6	0.0	4108.6
	% Fixture	85.6	0.0	85.6
Total	Lumens	4798.4	0.0	4798.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.6	2.1
10°-20°	282.1	5.9
20°-30°	459.4	9.6
30°-40°	686.6	14.3
40°-50°	1009.2	21.0
50°-60°	1182.8	24.6
60°-70°	779.9	16.3
70°-80°	248.3	5.2
80°-90°	50.5	1.1
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°	4798.4	100.0
0°-180°	4798.4	100.0

Coefficient of Utilization



REPORT NUMBER: P672035

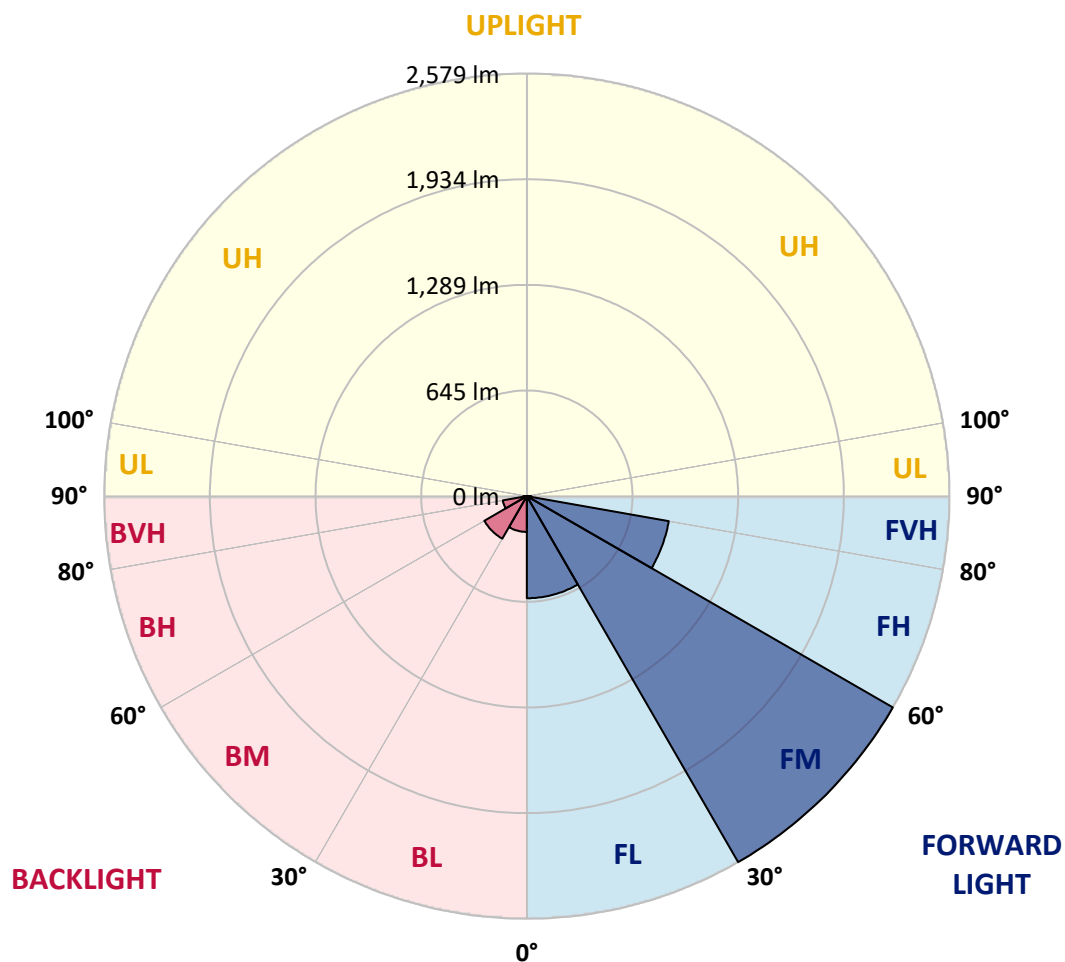
CATALOG NUMBER: CCP-SA-1D-840-U-AFL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	622.8	13.0			
FM	(30°-60°)	2578.8	53.7			
FH	(60°-80°)	879.4	18.3			G1/1800
FVH	(80°-90°)	27.7	0.6			G1/100
BL	(0°-30°)	218.3	4.6	B1/500		
BM	(30°-60°)	299.8	6.2	B1/1000		
BH	(60°-80°)	148.8	3.1	B1/500		G1/500
BVH	(80°-90°)	22.8	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: P672035

CATALOG NUMBER: CCP-SA-1D-840-U-AFL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2
2.5°	1238.4	1233.9	1233.9	1222.4	1205.4	1181.7	1153.5	1146.6	1135.8	1108.3	1072.9
5°	1427.2	1422.4	1415.8	1395.6	1363.9	1316.7	1257.2	1246.4	1207.8	1151.1	1087.1
7.5°	1552.1	1549.3	1547.2	1529.8	1498.5	1451.9	1372.3	1360.1	1294.7	1200.8	1100.7
10°	1539.2	1547.6	1562.2	1574.3	1580.6	1556.6	1481.8	1467.6	1386.6	1258.6	1120.9
12.5°	1418.5	1430.4	1457.5	1507.2	1564.6	1610.9	1568.4	1560.4	1484.6	1319.8	1146.2
15°	1328.8	1333.7	1346.9	1383.8	1469.3	1592.8	1635.6	1628.3	1576.1	1398.4	1175.5
17.5°	1301.0	1303.1	1306.2	1318.4	1376.8	1522.2	1663.0	1670.0	1664.8	1480.1	1208.5
20°	1314.9	1316.3	1316.7	1318.7	1346.6	1463.1	1655.7	1667.5	1742.7	1561.8	1241.2
22.5°	1368.5	1366.7	1364.3	1356.3	1371.9	1452.6	1636.2	1655.0	1802.8	1636.2	1271.4
25°	1462.0	1459.6	1442.5	1425.9	1432.5	1490.2	1625.8	1646.0	1849.8	1706.5	1293.7
27.5°	1573.3	1570.9	1553.5	1521.8	1514.9	1552.8	1650.2	1662.7	1884.2	1768.7	1303.4
30°	1688.8	1688.8	1667.2	1630.7	1608.4	1624.4	1695.0	1705.1	1910.3	1828.9	1309.7
32.5°	1814.7	1818.1	1784.7	1743.0	1718.3	1708.9	1758.0	1766.7	1948.2	1899.9	1322.9
35°	1976.4	1968.7	1928.0	1873.1	1833.4	1812.2	1835.9	1846.0	2003.8	1988.2	1344.1
37.5°	2158.3	2144.7	2094.6	2028.9	1959.7	1924.2	1939.9	1942.3	2086.3	2103.3	1382.7
40°	2308.5	2306.1	2263.6	2201.4	2114.1	2066.4	2058.8	2060.2	2200.7	2239.6	1441.2
42.5°	2435.1	2426.0	2418.4	2396.5	2304.0	2225.7	2194.4	2194.8	2324.8	2380.5	1499.9
45°	2491.1	2489.3	2511.9	2568.3	2501.8	2409.7	2365.2	2371.4	2467.1	2525.1	1556.6
47.5°	2467.1	2468.5	2529.0	2676.8	2716.1	2645.5	2566.5	2562.7	2604.8	2636.1	1606.7
50°	2252.8	2275.4	2439.2	2686.9	2856.6	2891.7	2802.7	2788.4	2725.5	2724.4	1637.3
52.5°	2091.1	2090.1	2190.6	2584.3	2906.3	3113.9	3033.9	3001.9	2825.3	2774.1	1639.7
55°	1872.7	1871.3	1946.1	2284.1	2807.5	3269.0	3252.0	3212.0	2916.7	2790.5	1623.0
57.5°	1418.2	1444.6	1519.1	1828.6	2494.5	3244.3	3460.3	3426.9	3006.1	2783.2	1619.9
60°	771.7	768.6	876.4	1191.8	1909.9	2964.0	3551.1	3549.3	3101.0	2780.4	1639.0
62.5°	355.8	352.3	373.9	530.7	1095.1	2374.6	3375.8	3400.8	3189.0	2755.0	1637.3
65°	266.0	257.0	227.8	246.9	419.1	1417.5	2867.3	2934.1	3053.4	2650.7	1561.5
67.5°	237.2	228.5	194.4	182.2	210.4	500.1	2080.0	2141.6	2553.3	2455.2	1438.7
70°	217.4	209.7	175.6	156.5	157.9	221.5	1088.9	1209.9	1871.3	2049.1	1226.2
72.5°	198.2	191.6	160.7	137.7	132.8	146.4	371.1	447.6	1164.0	1493.3	914.3
75°	178.1	171.8	144.7	123.5	114.1	108.5	176.7	190.2	615.5	824.6	490.7
77.5°	154.8	151.3	129.0	108.9	100.9	82.1	117.5	123.5	263.6	323.8	233.7
80°	134.6	131.8	115.1	98.8	90.4	63.3	81.0	85.2	130.1	161.7	130.8
82.5°	87.6	94.6	95.3	84.9	79.6	50.8	53.6	56.7	86.2	95.3	57.0
85°	36.2	43.8	65.7	58.4	55.3	43.1	35.5	36.2	52.9	55.6	20.5
87.5°	16.3	18.1	32.3	32.7	28.5	16.3	17.7	19.5	27.1	26.8	9.0
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: P672035

CATALOG NUMBER: CCP-SA-1D-840-U-AFL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2
2.5°	1063.1	1047.1	1018.6	982.1	956.0	936.9	916.0	900.7	883.7	868.7	871.2
5°	1060.7	1029.7	965.8	897.9	831.9	777.6	732.4	699.0	664.6	651.0	649.3
7.5°	1062.8	1010.3	905.2	794.3	693.8	624.6	572.1	540.4	520.6	509.1	509.8
10°	1062.1	991.8	839.9	686.8	576.9	513.7	481.7	471.2	469.5	470.9	473.0
12.5°	1063.1	966.8	766.5	590.2	493.1	460.8	462.2	471.6	477.5	481.3	483.7
15°	1067.6	946.3	691.4	514.0	449.3	450.4	465.3	479.9	488.6	492.8	494.9
17.5°	1074.3	920.5	624.6	456.3	430.9	446.9	466.4	482.0	488.6	491.0	492.8
20°	1075.0	891.0	557.1	416.6	418.7	439.6	456.6	469.1	477.5	480.3	481.7
22.5°	1071.8	851.0	487.9	387.8	404.8	425.7	440.3	454.5	443.4	434.4	431.9
25°	1058.6	800.6	428.8	364.1	387.4	406.9	423.6	407.9	402.7	395.8	396.5
27.5°	1030.1	737.6	373.2	341.9	366.9	394.7	382.5	380.5	373.9	366.9	366.9
30°	992.5	671.2	326.6	318.6	342.2	356.1	358.9	355.8	351.9	342.9	343.6
32.5°	958.8	600.9	293.5	299.1	326.6	326.6	338.7	338.7	324.8	299.4	299.4
35°	925.4	534.9	269.2	282.7	300.8	306.7	323.4	301.5	281.7	270.2	269.5
37.5°	899.3	478.5	253.2	268.8	275.8	290.7	291.1	275.1	268.5	258.0	257.0
40°	884.0	431.2	243.4	261.9	262.6	276.5	253.5	258.0	256.7	248.7	247.6
42.5°	875.7	394.7	236.1	256.0	252.5	238.9	234.7	242.4	244.8	240.7	238.9
45°	869.1	366.2	230.2	235.4	244.5	219.8	218.1	224.0	229.2	228.8	227.4
47.5°	865.6	346.4	225.0	222.6	224.3	208.3	204.8	207.6	214.2	218.4	218.1
50°	852.0	331.1	217.4	209.4	198.2	198.2	196.5	196.5	204.5	212.8	213.5
52.5°	828.0	313.0	206.2	196.8	184.0	189.5	190.2	188.8	197.2	206.2	206.9
55°	801.6	299.4	191.3	185.4	172.1	181.5	184.7	183.3	188.8	195.1	194.8
57.5°	802.0	299.1	178.4	173.9	161.0	171.4	179.1	179.4	179.1	183.6	183.6
60°	822.1	306.0	168.3	158.6	148.1	160.7	173.2	173.2	170.8	177.4	178.1
62.5°	828.0	305.3	162.1	144.0	136.7	150.9	164.5	166.6	164.8	174.2	175.3
65°	775.9	289.0	155.8	130.8	126.2	140.2	153.7	159.6	157.9	170.1	171.4
67.5°	703.5	267.8	146.1	118.9	115.5	129.7	142.6	148.8	148.5	164.5	165.2
70°	606.5	241.7	133.9	106.8	105.0	117.5	129.0	135.6	138.8	157.2	156.8
72.5°	469.8	207.3	115.5	93.9	93.5	105.0	115.1	122.4	128.3	146.1	146.1
75°	302.9	163.1	94.2	81.4	80.0	90.8	101.2	109.5	127.6	155.8	155.5
77.5°	185.0	124.5	75.8	67.8	67.5	77.2	87.6	101.9	139.5	138.8	134.9
80°	110.9	89.4	60.5	54.3	54.3	63.3	74.8	109.2	115.8	132.2	124.8
82.5°	57.7	54.9	45.2	40.0	41.7	49.7	68.2	87.3	94.6	80.3	73.7
85°	23.6	29.2	27.8	25.4	26.4	34.4	65.7	69.9	56.0	58.8	59.1
87.5°	8.0	12.9	12.9	10.1	11.1	24.3	39.0	23.3	28.2	16.7	12.5
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)