

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: P675479

Luminaire Tested: **CCW-SA-1D-840-U-SL2**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675479
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1D-840-U-SL2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/
SL2 distribution lens
Light Source: (16) 4000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

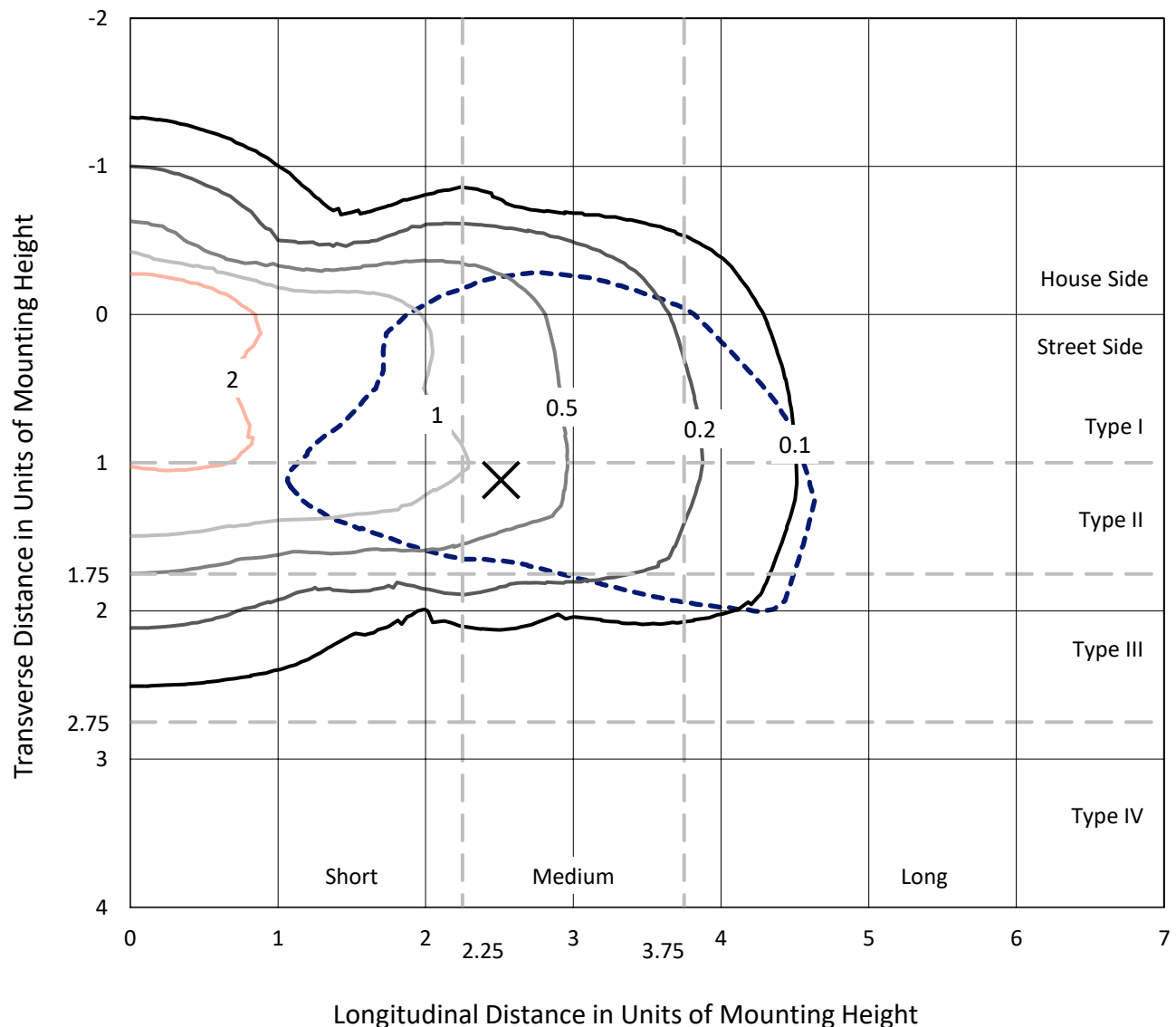
Lumens per Lamp: N/A
Luminaire Lumens: 4705.9 lumens
Efficiency: N/A
Efficacy: 107.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

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: P675479
 CATALOG NUMBER: CCW-SA-1D-840-U-SL2

Iso-Footcandle Lines of Horizontal Illumination

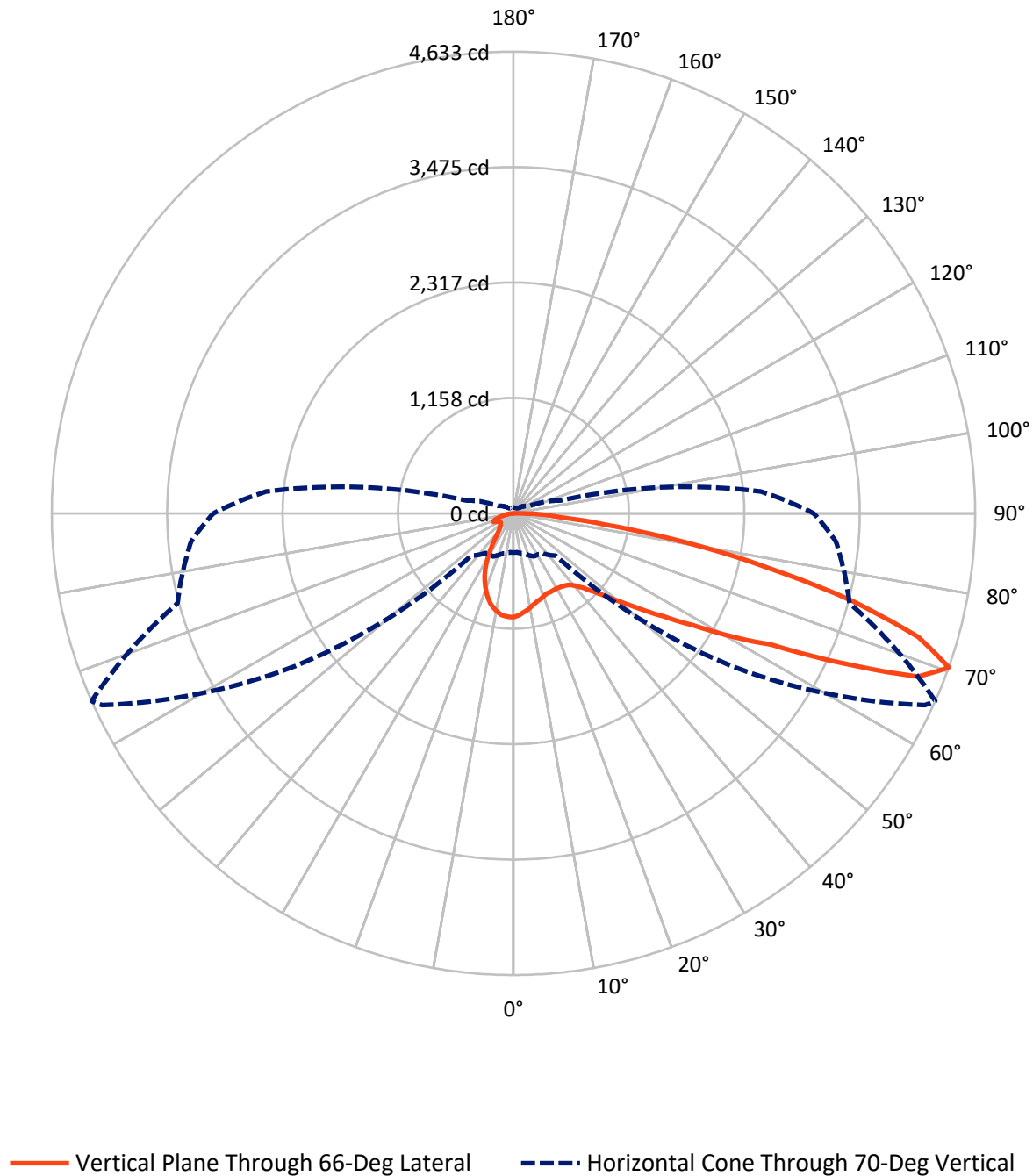
× Max cd
 --- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.6 fc
 Type III - Medium - N/A

REPORT NUMBER: P675479
CATALOG NUMBER: CCW-SA-1D-840-U-SL2

Luminous Intensity Polar Plot



REPORT NUMBER: P675479

CATALOG NUMBER: CCW-SA-1D-840-U-SL2

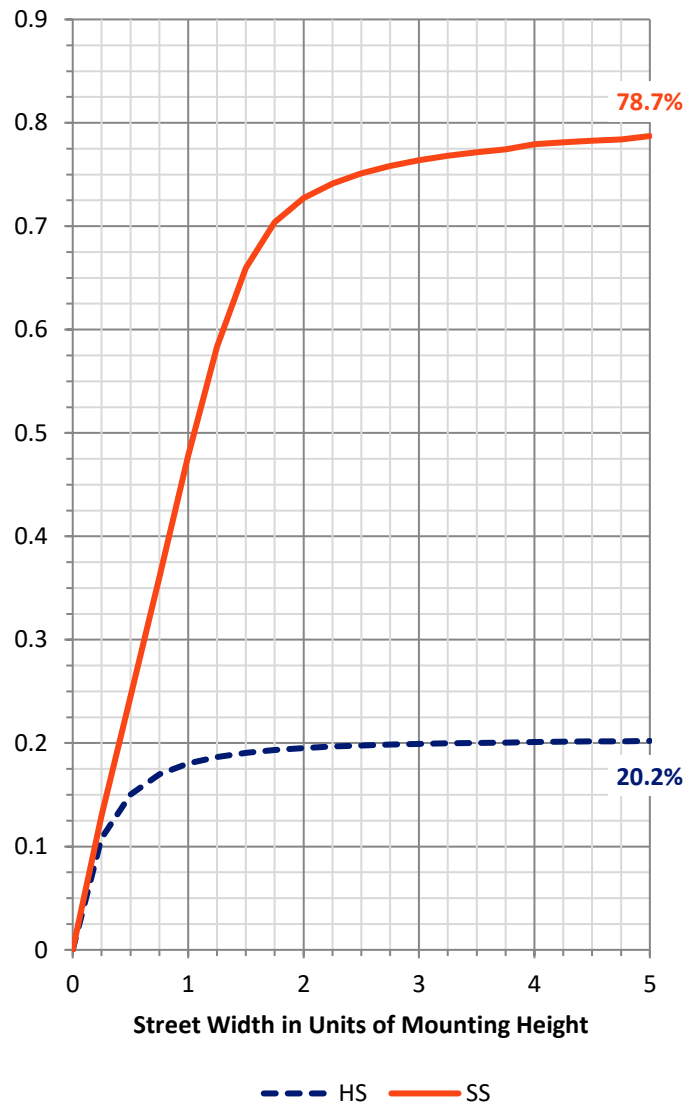
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	963.2	0.0	963.2
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	3742.6	0.0	3742.6
	% Fixture	79.5	0.0	79.5
Total	Lumens	4705.9	0.0	4705.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.9	2.0
10°-20°	226.3	4.8
20°-30°	310.8	6.6
30°-40°	416.7	8.9
40°-50°	604.6	12.8
50°-60°	919.0	19.5
60°-70°	1135.0	24.1
70°-80°	844.1	17.9
80°-90°	157.4	3.3
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°	4705.9	100.0
0°-180°	4705.9	100.0

Coefficient of Utilization



REPORT NUMBER: P675479

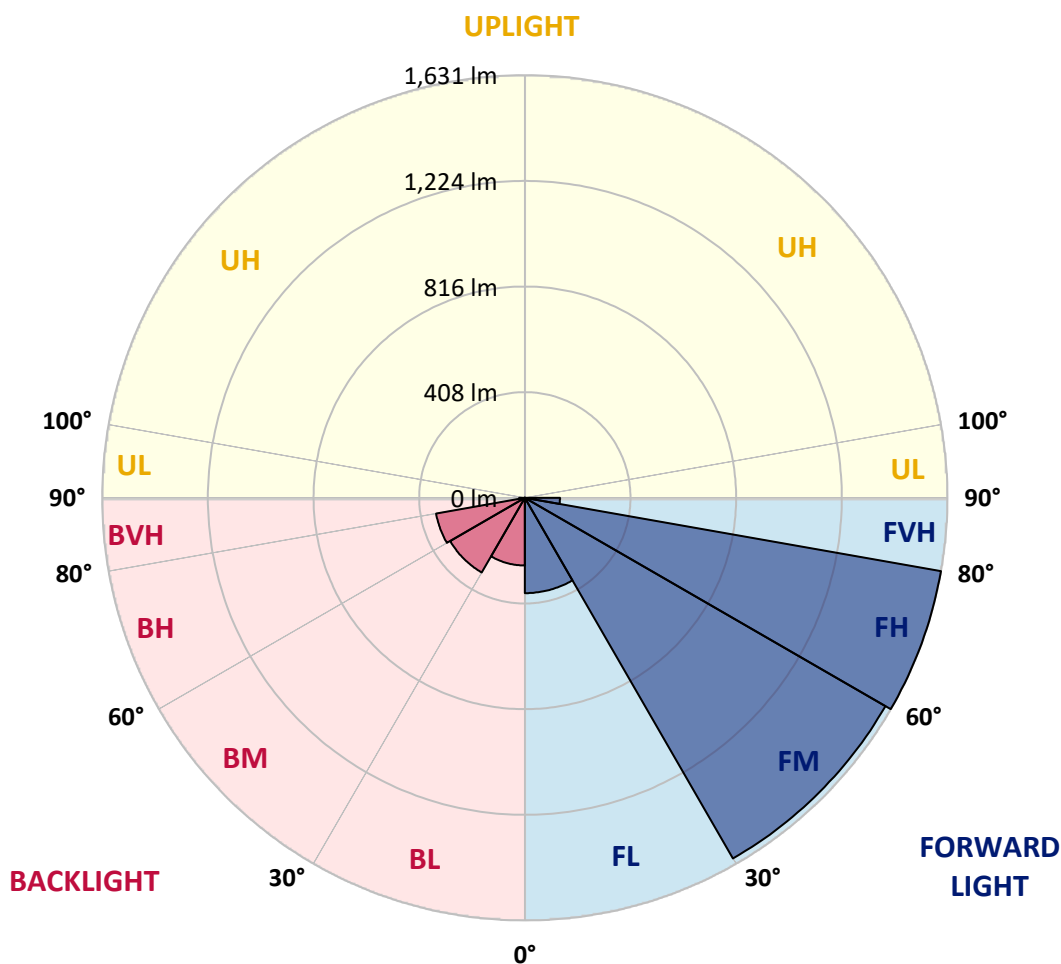
CATALOG NUMBER: CCW-SA-1D-840-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	368.0	7.8			
FM	(30°-60°)	1607.6	34.2			
FH	(60°-80°)	1631.4	34.7			G1/1800
FVH	(80°-90°)	135.7	2.9			G2/225
BL	(0°-30°)	261.1	5.5	B1/500		
BM	(30°-60°)	332.7	7.1	B1/1000		
BH	(60°-80°)	347.7	7.4	B1/500		G1/500
BVH	(80°-90°)	21.7	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-G2

Type III Medium



REPORT NUMBER: P675479

CATALOG NUMBER: CCW-SA-1D-840-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1039.7	1039.7	1039.7	1039.7	1039.7	1039.7	1039.7	1039.7	1039.7	1039.7	1039.7
2.5°	988.9	994.2	995.9	999.4	1008.2	1015.2	1025.7	1030.9	1025.7	1032.7	1032.7
5°	920.6	913.6	931.1	938.1	948.6	962.7	987.2	1006.4	1001.2	1022.2	1039.7
7.5°	862.9	862.9	868.1	883.9	896.1	917.1	943.4	973.2	981.9	1009.9	1036.2
10°	810.4	817.4	817.4	841.9	848.9	873.4	917.1	953.9	955.7	1002.9	1039.7
12.5°	782.4	778.9	796.4	803.4	824.4	848.9	883.9	929.4	931.1	981.9	1032.7
15°	759.6	763.1	771.9	789.4	808.6	827.9	861.1	903.1	911.9	971.4	1029.2
17.5°	761.4	763.1	763.1	775.4	791.1	813.9	845.4	894.4	899.6	957.4	1023.9
20°	771.9	764.9	770.1	775.4	785.9	806.9	833.1	875.1	880.4	955.7	1036.2
22.5°	794.6	789.4	787.6	785.9	784.1	796.4	829.6	864.6	869.9	946.9	1041.4
25°	831.4	829.6	817.4	805.1	796.4	796.4	822.6	873.4	871.6	946.9	1044.9
27.5°	875.1	875.1	873.4	850.6	824.4	810.4	827.9	869.9	868.1	946.9	1053.7
30°	934.6	934.6	929.4	908.4	861.1	820.9	831.4	866.4	871.6	939.9	1046.7
32.5°	999.4	997.7	1002.9	983.7	934.6	869.9	852.4	873.4	878.6	946.9	1048.4
35°	1046.7	1057.2	1074.7	1057.2	1008.2	920.6	882.1	887.4	890.9	948.6	1055.4
37.5°	1100.9	1113.2	1137.7	1151.7	1099.2	997.7	929.4	910.1	910.1	971.4	1057.2
40°	1179.7	1167.4	1209.4	1233.9	1212.9	1092.2	1002.9	952.2	953.9	1001.2	1079.9
42.5°	1237.4	1249.7	1293.5	1337.2	1311.0	1207.7	1083.4	1020.4	1020.4	1044.9	1114.9
45°	1302.2	1316.2	1377.5	1430.0	1449.2	1346.0	1193.7	1118.4	1114.9	1130.7	1177.9
47.5°	1374.0	1393.2	1463.2	1524.5	1575.2	1489.5	1335.5	1237.4	1235.7	1247.9	1283.0
50°	1456.2	1463.2	1521.0	1633.0	1734.5	1680.3	1508.7	1405.5	1396.7	1402.0	1449.2
52.5°	1480.7	1475.5	1542.0	1662.8	1848.3	1913.1	1745.0	1596.3	1592.8	1580.5	1641.8
55°	1391.5	1409.0	1473.7	1627.8	1941.1	2187.8	2004.1	1857.0	1825.5	1792.3	1865.8
57.5°	1212.9	1214.7	1288.2	1470.2	1869.3	2415.4	2443.4	2112.6	2114.3	2025.1	2109.1
60°	943.4	938.1	995.9	1160.4	1664.5	2485.4	2923.0	2520.4	2502.9	2257.9	2334.9
62.5°	680.9	670.4	682.6	778.9	1244.4	2378.6	3393.8	2977.2	2903.7	2495.9	2555.4
65°	560.1	565.3	570.6	575.8	698.4	1962.1	3539.1	3722.8	3624.8	2774.2	2798.7
67.5°	463.8	467.3	490.1	521.6	518.1	1158.7	3371.0	4412.4	4375.7	3119.0	3008.7
70°	393.8	392.1	418.3	476.1	484.8	602.1	2669.2	4554.2	4633.0	3490.1	3246.8
72.5°	315.0	318.6	341.3	418.3	476.1	507.6	1536.7	4249.7	4247.9	3775.3	3119.0
75°	225.8	225.8	257.3	346.6	460.3	502.3	850.6	3449.8	3514.6	3547.8	2705.9
77.5°	148.8	155.8	180.3	259.0	432.3	491.8	539.1	2508.1	2588.7	2653.4	2070.6
80°	101.5	105.0	120.8	180.3	365.8	495.3	441.1	1687.3	1718.8	1465.0	840.1
82.5°	61.3	63.0	80.5	126.0	262.5	470.8	414.8	931.1	911.9	442.8	241.5
85°	33.3	35.0	50.8	84.0	173.3	411.3	407.8	456.8	425.3	162.8	101.5
87.5°	12.3	12.3	22.8	42.0	99.8	281.8	355.3	271.3	253.8	82.3	47.3
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: P675479

CATALOG NUMBER: CCW-SA-1D-840-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1039.7	1039.7	1039.7	1039.7	1039.7	1039.7	1039.7	1039.7	1039.7	1039.7	1039.7
2.5°	1041.4	1041.4	1041.4	1041.4	1039.7	1032.7	1037.9	1036.2	1025.7	1027.4	1020.4
5°	1037.9	1046.7	1041.4	1034.4	1025.7	1004.7	997.7	992.4	978.4	973.2	978.4
7.5°	1046.7	1039.7	1036.2	1023.9	988.9	969.7	945.1	915.4	894.4	889.1	894.4
10°	1044.9	1044.9	1029.2	994.2	960.9	904.9	873.4	820.9	791.1	782.4	784.1
12.5°	1037.9	1043.2	1018.7	962.7	899.6	831.4	773.6	717.6	665.1	644.1	640.6
15°	1044.9	1039.7	995.9	924.1	836.6	742.1	658.1	575.8	526.8	495.3	488.3
17.5°	1034.4	1029.2	966.2	871.6	754.4	633.6	528.6	439.3	390.3	378.1	378.1
20°	1046.7	1013.4	931.1	808.6	668.6	514.6	395.6	329.1	316.8	316.8	320.3
22.5°	1044.9	1009.9	901.4	747.4	565.3	388.6	294.0	274.8	276.5	290.5	288.8
25°	1034.4	1002.9	859.4	679.1	456.8	292.3	243.3	238.0	250.3	266.0	264.3
27.5°	1032.7	983.7	820.9	598.6	348.3	231.0	211.8	211.8	224.0	238.0	236.3
30°	1022.2	967.9	773.6	507.6	262.5	201.3	194.3	194.3	199.5	206.5	206.5
32.5°	1020.4	946.9	721.1	413.1	210.0	182.0	178.5	180.3	180.3	183.8	182.0
35°	1006.4	918.9	666.9	320.3	182.0	171.5	168.0	166.3	166.3	164.5	164.5
37.5°	1001.2	901.4	610.8	248.5	169.8	162.8	159.3	154.0	152.3	152.3	150.5
40°	1006.4	883.9	556.6	201.3	159.3	155.8	150.5	143.5	141.8	141.8	141.8
42.5°	1025.7	882.1	500.6	175.0	154.0	148.8	141.8	134.8	133.0	134.8	133.0
45°	1069.4	896.1	446.3	162.8	147.0	141.8	133.0	127.8	126.0	127.8	127.8
47.5°	1141.2	934.6	397.3	155.8	141.8	134.8	126.0	120.8	120.8	120.8	120.8
50°	1260.2	1008.2	350.1	150.5	138.3	129.5	120.8	113.8	112.0	112.0	113.8
52.5°	1438.7	1134.2	311.5	147.0	133.0	122.5	113.8	108.5	105.0	103.3	105.0
55°	1654.0	1318.0	299.3	143.5	126.0	117.3	108.5	101.5	98.0	98.0	96.3
57.5°	1885.0	1521.0	320.3	140.0	120.8	110.3	101.5	94.5	91.0	89.3	89.3
60°	2135.3	1760.8	397.3	138.3	115.5	103.3	94.5	89.3	84.0	82.3	82.3
62.5°	2362.9	1977.8	535.6	136.5	112.0	96.3	87.5	80.5	77.0	75.3	75.3
65°	2621.9	2219.4	670.4	143.5	110.3	91.0	80.5	73.5	70.0	68.3	68.3
67.5°	2847.7	2429.4	749.1	161.0	115.5	84.0	71.8	66.5	64.8	63.0	63.0
70°	3012.2	2494.1	502.3	176.8	124.3	78.8	64.8	61.3	57.8	57.8	57.8
72.5°	2791.7	2226.4	297.5	166.3	117.3	73.5	57.8	54.3	52.5	52.5	50.8
75°	2387.4	1895.5	229.3	134.8	94.5	63.0	50.8	47.3	45.5	45.5	43.8
77.5°	1762.5	1358.2	169.8	106.8	73.5	50.8	43.8	42.0	40.3	38.5	38.5
80°	689.6	595.1	115.5	78.8	54.3	40.3	36.8	35.0	33.3	31.5	31.5
82.5°	213.5	180.3	66.5	52.5	38.5	31.5	29.8	28.0	26.3	24.5	24.5
85°	92.8	89.3	43.8	33.3	26.3	21.0	21.0	19.3	17.5	15.8	15.8
87.5°	45.5	43.8	24.5	15.8	14.0	10.5	10.5	8.8	7.0	7.0	7.0
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)