

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: P675661

Luminaire Tested: **CCW-SA-2B-722-U-SL4**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675661
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2B-722-U-SL4
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/
SL4 distribution lens
Light Source: (32) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

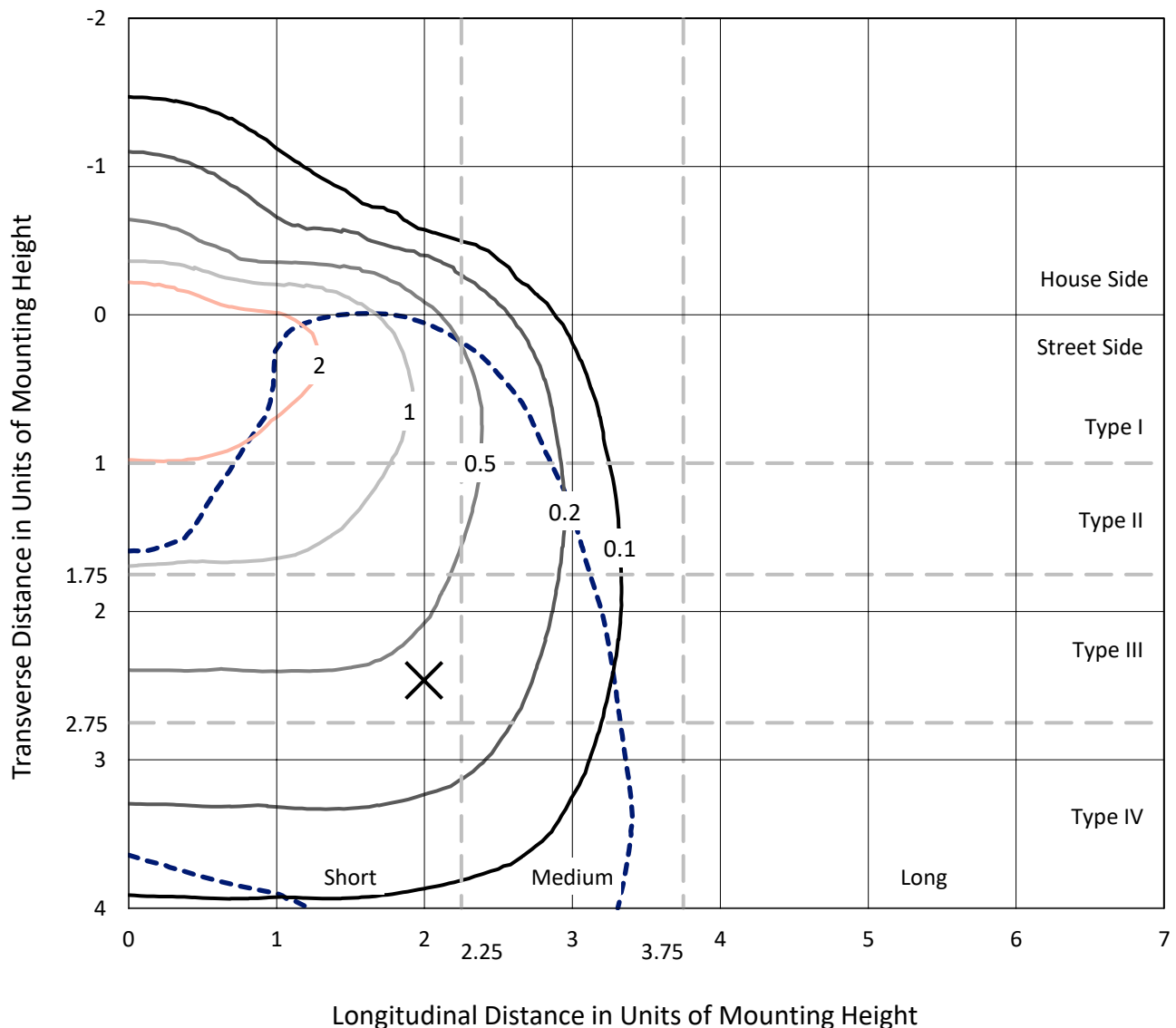
Lumens per Lamp: N/A
Luminaire Lumens: 4985 lumens
Efficiency: N/A
Efficacy: 108.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

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

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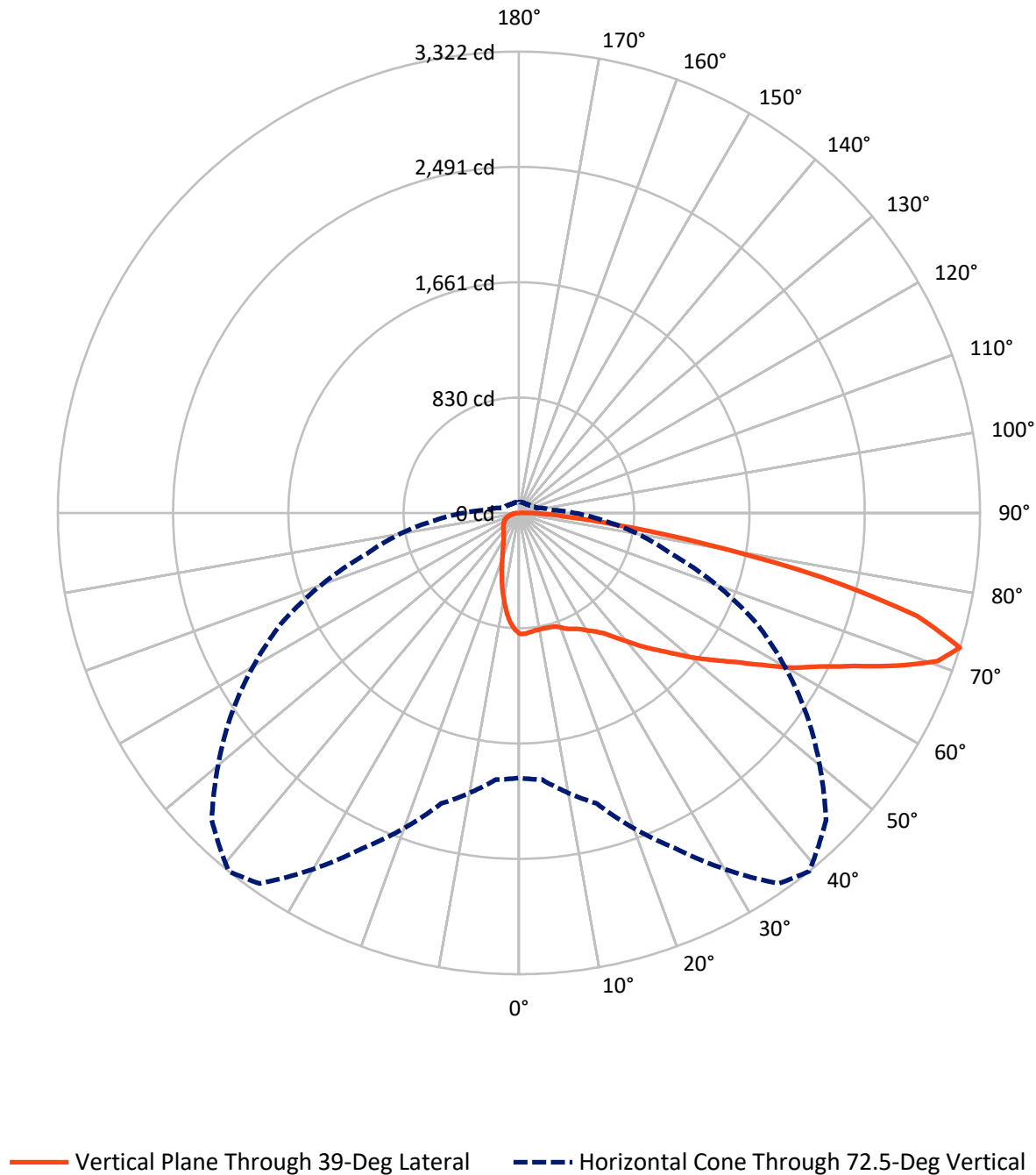
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd



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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	740.9	0.0	740.9
	% Fixture	14.9	0.0	14.9
Street Side	Lumens	4244.1	0.0	4244.1
	% Fixture	85.1	0.0	85.1
Total	Lumens	4985.0	0.0	4985.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.1	1.5
10°-20°	196.8	3.9
20°-30°	299.8	6.0
30°-40°	438.6	8.8
40°-50°	671.5	13.5
50°-60°	984.8	19.8
60°-70°	1255.9	25.2
70°-80°	907.4	18.2
80°-90°	153.1	3.1
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°	4985.0	100.0
0°-180°	4985.0	100.0

Coefficient of Utilization



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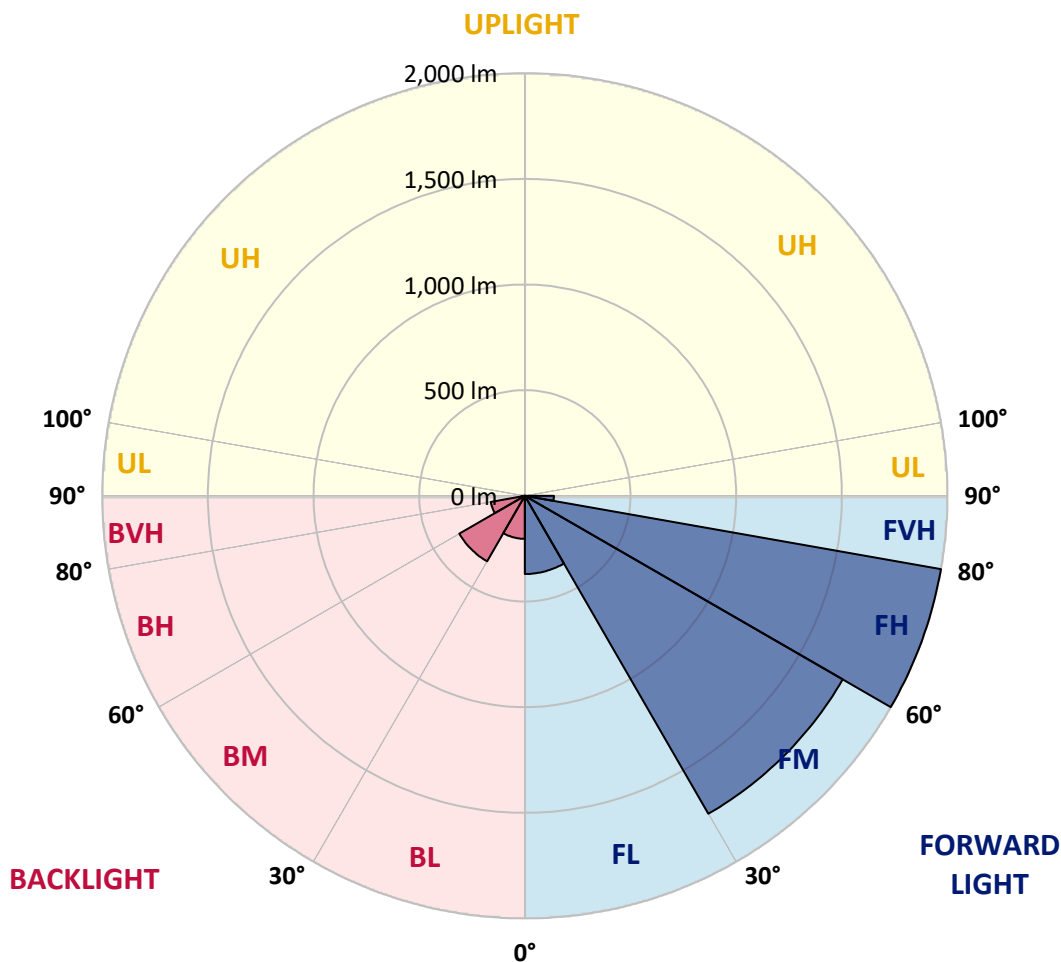
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	370.0	7.4			
FM	(30°-60°)	1736.9	34.8			
FH	(60°-80°)	1999.7	40.1			G2/5000
FVH	(80°-90°)	137.6	2.8			G2/225
BL	(0°-30°)	203.7	4.1	B1/500		
BM	(30°-60°)	357.9	7.2	B1/1000		
BH	(60°-80°)	163.7	3.3	B1/500		G1/500
BVH	(80°-90°)	15.5	0.3			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	872.6	872.6	872.6	872.6	872.6	872.6	872.6	872.6	872.6	872.6	872.6
2.5°	885.7	887.6	883.8	880.1	878.2	870.7	878.2	874.5	870.7	870.7	870.7
5°	874.5	876.3	876.3	872.6	874.5	861.4	859.5	861.4	855.7	852.0	850.1
7.5°	857.6	861.4	868.8	867.0	859.5	853.9	855.7	853.9	844.5	838.9	823.9
10°	844.5	848.2	852.0	855.7	853.9	852.0	850.1	842.6	840.8	827.6	812.7
12.5°	831.4	831.4	833.3	848.2	850.1	850.1	838.9	838.9	833.3	831.4	808.9
15°	818.3	823.9	838.9	842.6	850.1	853.9	848.2	848.2	838.9	825.8	808.9
17.5°	822.0	831.4	846.4	855.7	859.5	859.5	867.0	861.4	848.2	840.8	823.9
20°	840.8	842.6	861.4	878.2	882.0	882.0	874.5	868.8	859.5	846.4	823.9
22.5°	852.0	865.1	887.6	896.9	908.2	908.2	898.8	885.7	872.6	859.5	835.1
25°	900.7	902.5	911.9	926.9	932.5	925.0	915.7	900.7	883.8	870.7	848.2
27.5°	934.4	943.7	955.0	962.5	953.1	947.5	940.0	923.1	910.0	898.8	867.0
30°	996.2	984.9	992.4	996.2	979.3	983.1	962.5	947.5	932.5	932.5	896.9
32.5°	1033.6	1043.0	1035.5	1033.6	1020.5	1018.6	1005.5	988.7	979.3	990.6	941.9
35°	1099.2	1093.5	1093.5	1091.7	1076.7	1067.3	1067.3	1037.4	1046.7	1071.1	1011.2
37.5°	1132.9	1131.0	1142.2	1151.6	1136.6	1142.2	1136.6	1123.5	1127.3	1170.3	1097.3
40°	1166.6	1179.7	1202.2	1205.9	1215.3	1222.7	1219.0	1217.1	1232.1	1301.4	1213.4
42.5°	1198.4	1209.6	1243.3	1273.3	1295.8	1320.1	1322.0	1322.0	1370.7	1469.9	1353.8
45°	1239.6	1249.0	1295.8	1355.7	1393.1	1410.0	1425.0	1441.8	1507.4	1625.3	1503.6
47.5°	1295.8	1303.3	1359.4	1434.3	1507.4	1516.7	1546.7	1565.4	1664.7	1784.5	1657.2
50°	1376.3	1370.7	1415.6	1524.2	1595.4	1640.3	1683.4	1717.1	1814.5	1945.5	1777.0
52.5°	1441.8	1441.8	1475.5	1619.7	1717.1	1760.2	1805.1	1851.9	1964.3	2106.6	1874.4
55°	1554.2	1542.9	1563.5	1713.3	1853.8	1895.0	1981.1	2020.4	2129.0	2226.4	1956.8
57.5°	1631.0	1636.6	1660.9	1836.9	2014.8	2065.4	2151.5	2179.6	2275.1	2351.9	2016.7
60°	1732.1	1713.3	1765.8	1973.6	2192.7	2263.9	2335.0	2351.9	2423.0	2432.4	2044.8
62.5°	1829.4	1825.7	1870.6	2110.3	2383.7	2434.3	2507.3	2526.0	2556.0	2496.1	2005.5
65°	1889.4	1913.7	1998.0	2260.1	2600.9	2657.1	2730.1	2692.7	2659.0	2439.9	1812.6
67.5°	1971.8	1983.0	2112.2	2423.0	2851.8	2936.1	2999.8	2851.8	2600.9	2209.6	1526.1
70°	1990.5	2020.4	2189.0	2593.4	3110.2	3196.4	3200.1	2797.5	2389.3	1797.6	1106.7
72.5°	1908.1	1928.7	2166.5	2664.6	3258.2	3321.8	3129.0	2529.8	1893.1	1132.9	602.9
75°	1604.7	1662.8	1885.6	2445.5	2986.7	2962.3	2651.5	1930.6	1136.6	501.8	254.7
77.5°	1117.9	1119.8	1352.0	1778.9	2235.8	2230.2	1891.2	1119.8	486.9	202.2	149.8
80°	496.2	531.8	672.2	958.7	1357.6	1357.6	1102.9	556.1	243.4	131.1	103.0
82.5°	292.1	303.3	359.5	447.5	661.0	696.6	528.0	370.8	166.7	82.4	63.7
85°	215.3	234.1	267.8	269.6	312.7	318.3	292.1	322.1	114.2	44.9	52.4
87.5°	161.0	172.3	213.5	177.9	166.7	157.3	179.8	329.6	43.1	22.5	16.9
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°	872.6	872.6	872.6	872.6	872.6	872.6	872.6	872.6	872.6	872.6	872.6
2.5°	863.2	863.2	859.5	852.0	852.0	837.0	840.8	844.5	835.1	835.1	837.0
5°	850.1	842.6	833.3	822.0	814.5	793.9	790.2	777.1	775.2	771.5	765.9
7.5°	823.9	812.7	795.8	779.0	754.6	735.9	713.4	694.7	687.2	681.6	679.7
10°	799.6	797.7	769.6	735.9	698.4	662.9	629.2	604.8	589.8	580.5	578.6
12.5°	799.6	784.6	745.3	698.4	644.1	591.7	548.6	514.9	494.3	479.4	473.7
15°	795.8	780.8	728.4	657.3	595.5	524.3	464.4	428.8	398.8	383.9	385.7
17.5°	799.6	777.1	704.1	627.3	541.2	464.4	393.2	350.2	320.2	309.0	307.1
20°	801.4	773.3	685.3	586.1	485.0	398.8	331.4	290.2	267.8	260.3	260.3
22.5°	797.7	762.1	657.3	537.4	436.3	344.5	288.4	252.8	237.8	228.4	232.2
25°	814.5	760.2	631.0	496.2	380.1	299.6	256.5	230.3	221.0	215.3	217.2
27.5°	818.3	760.2	610.4	449.4	331.4	265.9	232.2	215.3	207.8	204.1	202.2
30°	833.3	764.0	586.1	402.6	292.1	239.7	213.5	204.1	198.5	196.6	196.6
32.5°	874.5	775.2	559.9	363.3	258.4	217.2	200.4	192.9	189.1	187.3	189.1
35°	923.1	805.2	531.8	322.1	234.1	202.2	189.1	183.5	181.6	181.6	181.6
37.5°	998.0	850.1	507.5	288.4	213.5	187.3	177.9	176.0	174.1	176.0	176.0
40°	1084.2	898.8	485.0	262.2	198.5	177.9	168.5	168.5	166.7	168.5	170.4
42.5°	1183.4	958.7	462.5	235.9	185.4	170.4	162.9	161.0	159.2	162.9	164.8
45°	1320.1	1041.1	447.5	221.0	176.0	162.9	155.4	155.4	153.5	153.5	157.3
47.5°	1434.3	1119.8	447.5	206.0	170.4	157.3	149.8	149.8	146.1	147.9	147.9
50°	1529.8	1187.2	456.9	202.2	162.9	151.7	146.1	142.3	140.4	140.4	140.4
52.5°	1593.5	1228.4	464.4	198.5	159.2	144.2	140.4	138.6	134.8	132.9	134.8
55°	1657.2	1256.5	466.3	198.5	153.5	136.7	132.9	132.9	129.2	127.3	127.3
57.5°	1681.5	1245.2	440.0	194.7	149.8	131.1	127.3	125.5	123.6	121.7	121.7
60°	1670.3	1204.0	382.0	185.4	146.1	127.3	119.8	119.8	119.8	116.1	118.0
62.5°	1593.5	1063.6	307.1	170.4	140.4	119.8	112.4	116.1	116.1	114.2	114.2
65°	1391.3	878.2	249.0	157.3	132.9	114.2	106.7	112.4	114.2	112.4	110.5
67.5°	1112.3	676.0	206.0	142.3	123.6	104.9	99.2	104.9	106.7	104.9	104.9
70°	764.0	436.3	166.7	127.3	110.5	95.5	89.9	93.6	93.6	95.5	95.5
72.5°	395.1	235.9	136.7	108.6	95.5	86.1	80.5	80.5	78.6	78.6	78.6
75°	196.6	161.0	114.2	91.8	80.5	73.0	69.3	65.5	65.5	65.5	65.5
77.5°	136.7	123.6	93.6	73.0	65.5	59.9	59.9	54.3	54.3	54.3	54.3
80°	103.0	97.4	71.2	56.2	50.6	46.8	46.8	44.9	44.9	43.1	43.1
82.5°	73.0	78.6	54.3	41.2	37.5	35.6	35.6	33.7	33.7	30.0	30.0
85°	58.0	65.5	41.2	30.0	28.1	24.3	24.3	22.5	22.5	20.6	18.7
87.5°	16.9	35.6	16.9	11.2	11.2	11.2	11.2	9.4	9.4	7.5	7.5
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)