

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: P675693

Luminaire Tested: **CCW-SA-2A-735-U-SL4**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675693
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2A-735-U-SL4
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/
SL4 distribution lens
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

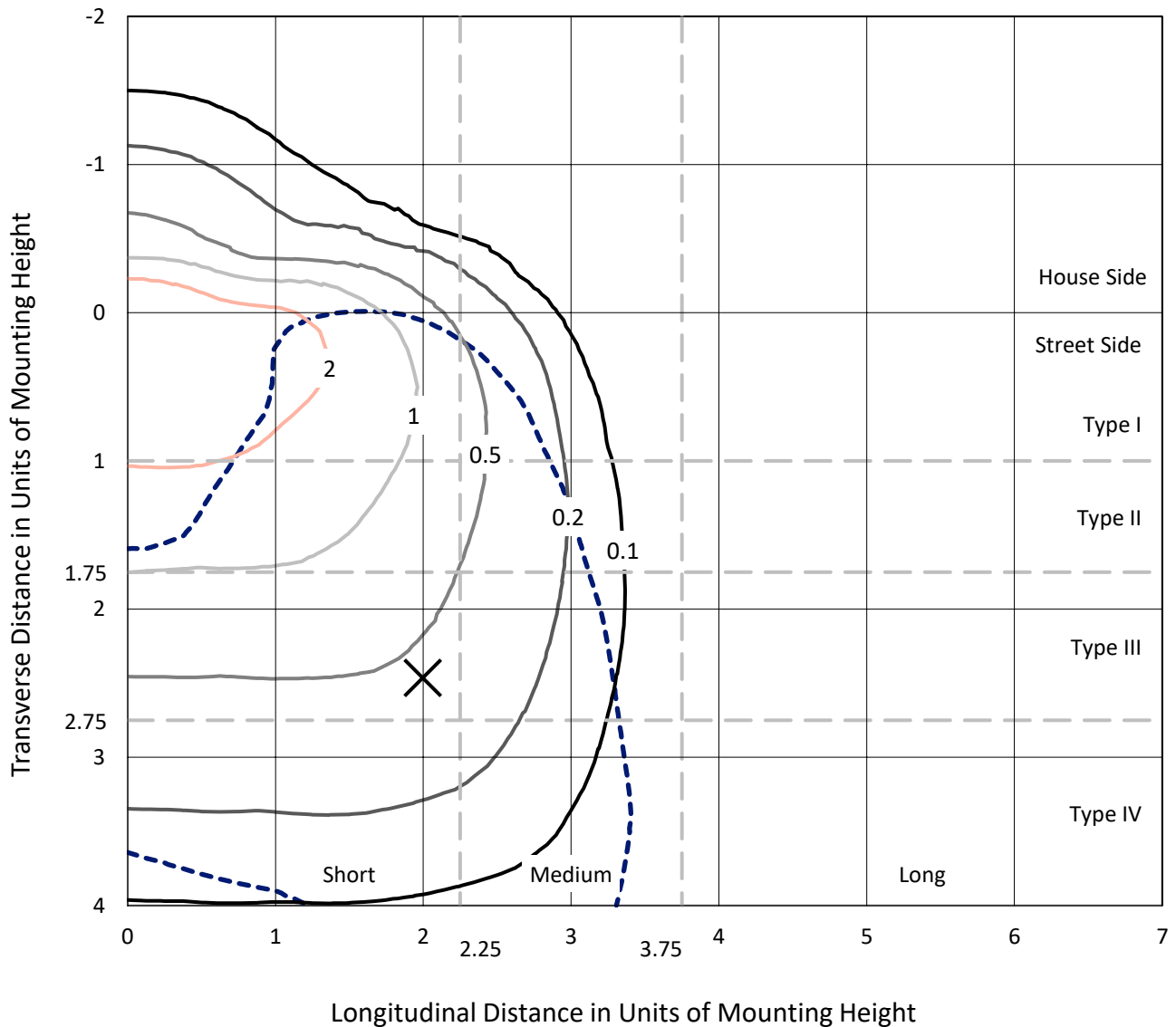
Lumens per Lamp: N/A
Luminaire Lumens: 5288.3 lumens
Efficiency: N/A
Efficacy: 146.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 36.2
Input Voltage (V): 120
Input Current (A_{in}): 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

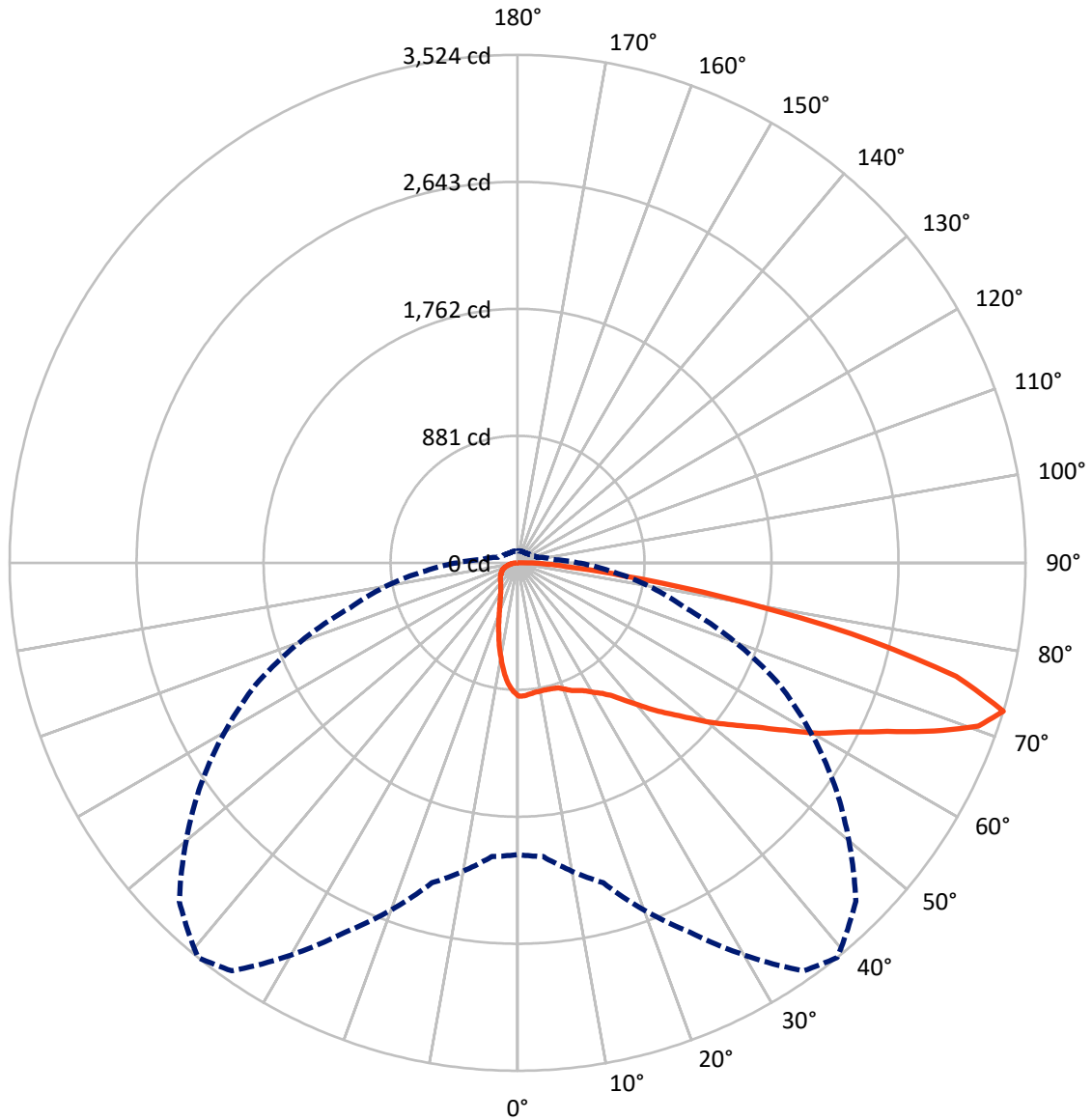
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 39-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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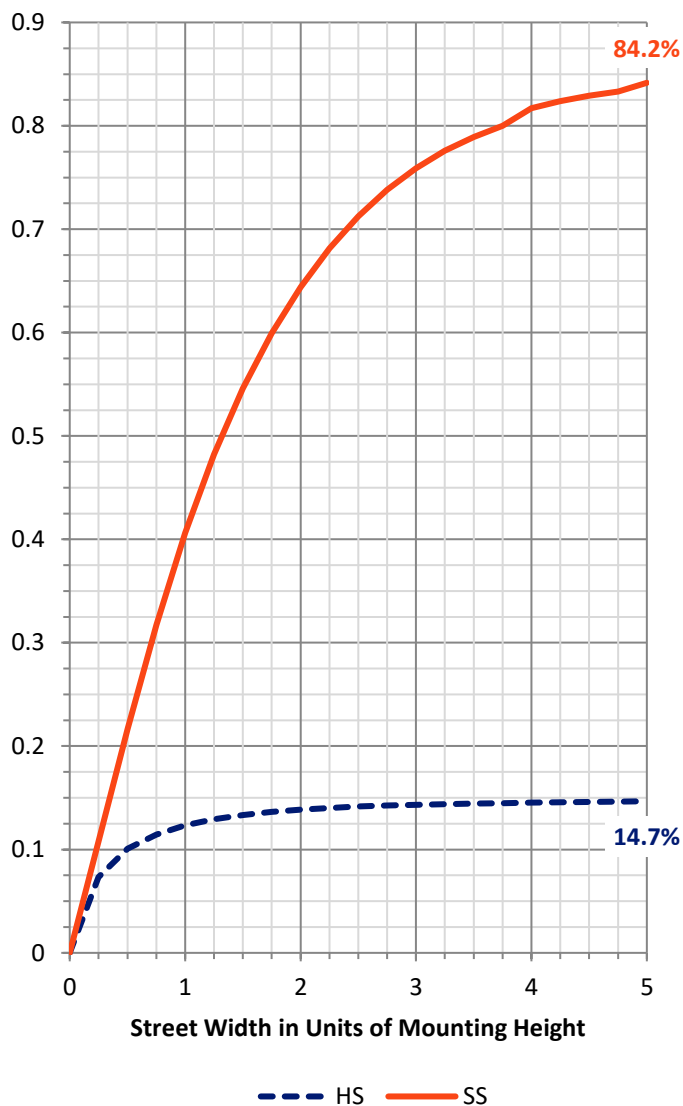
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	785.9	0.0	785.9
	% Fixture	14.9	0.0	14.9
Street Side	Lumens	4502.4	0.0	4502.4
	% Fixture	85.1	0.0	85.1
Total	Lumens	5288.3	0.0	5288.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.8	1.5
10°-20°	208.8	3.9
20°-30°	318.1	6.0
30°-40°	465.3	8.8
40°-50°	712.3	13.5
50°-60°	1044.7	19.8
60°-70°	1332.4	25.2
70°-80°	962.7	18.2
80°-90°	162.4	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°	5288.3	100.0
0°-180°	5288.3	100.0

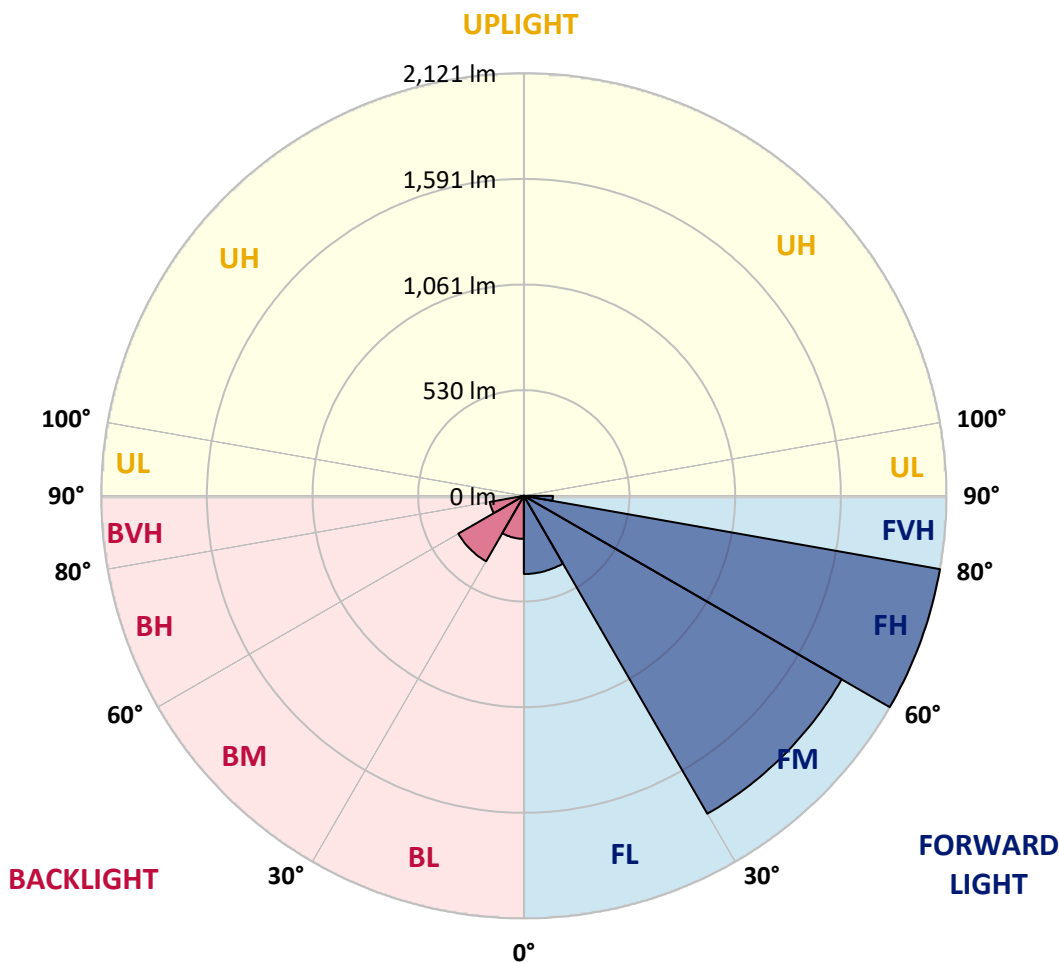


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	392.5	7.4			
FM (30°-60°)	1842.6	34.8			
FH (60°-80°)	2121.4	40.1			G2/5000
FVH (80°-90°)	145.9	2.8			G2/225
BL (0°-30°)	216.1	4.1	B1/500		
BM (30°-60°)	379.7	7.2	B1/1000		
BH (60°-80°)	173.7	3.3	B1/500		G1/500
BVH (80°-90°)	16.4	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°	925.7	925.7	925.7	925.7	925.7	925.7	925.7	925.7	925.7	925.7	925.7
2.5°	939.6	941.6	937.6	933.6	931.6	923.7	931.6	927.7	923.7	923.7	923.7
5°	927.7	929.7	929.7	925.7	927.7	913.8	911.8	913.8	907.8	903.8	901.9
7.5°	909.8	913.8	921.7	919.7	911.8	905.8	907.8	905.8	895.9	889.9	874.0
10°	895.9	899.9	903.8	907.8	905.8	903.8	901.9	893.9	891.9	878.0	862.1
12.5°	882.0	882.0	884.0	899.9	901.9	901.9	889.9	889.9	884.0	882.0	858.1
15°	868.1	874.0	889.9	893.9	901.9	905.8	899.9	899.9	889.9	876.0	858.1
17.5°	872.1	882.0	897.9	907.8	911.8	911.8	919.7	913.8	899.9	891.9	874.0
20°	891.9	893.9	913.8	931.6	935.6	935.6	927.7	921.7	911.8	897.9	874.0
22.5°	903.8	917.7	941.6	951.5	963.4	963.4	953.5	939.6	925.7	911.8	886.0
25°	955.5	957.5	967.4	983.3	989.3	981.3	971.4	955.5	937.6	923.7	899.9
27.5°	991.2	1001.2	1013.1	1021.0	1011.1	1005.1	997.2	979.3	965.4	953.5	919.7
30°	1056.8	1044.9	1052.8	1056.8	1038.9	1042.9	1021.0	1005.1	989.3	989.3	951.5
32.5°	1096.5	1106.5	1098.5	1096.5	1082.6	1080.6	1066.7	1048.8	1038.9	1050.8	999.2
35°	1166.0	1160.1	1160.1	1158.1	1142.2	1132.3	1132.3	1100.5	1110.4	1136.3	1072.7
37.5°	1201.8	1199.8	1211.7	1221.7	1205.8	1211.7	1205.8	1191.9	1195.8	1241.5	1164.1
40°	1237.6	1251.5	1275.3	1279.3	1289.2	1297.2	1293.2	1291.2	1307.1	1380.6	1287.2
42.5°	1271.3	1283.2	1319.0	1350.8	1374.6	1400.5	1402.4	1402.4	1454.1	1559.4	1436.2
45°	1315.0	1325.0	1374.6	1438.2	1477.9	1495.8	1511.7	1529.6	1599.1	1724.2	1595.1
47.5°	1374.6	1382.6	1442.2	1521.6	1599.1	1609.0	1640.8	1660.7	1766.0	1893.1	1758.0
50°	1460.0	1454.1	1501.8	1617.0	1692.5	1740.1	1785.8	1821.6	1924.9	2063.9	1885.1
52.5°	1529.6	1529.6	1565.3	1718.3	1821.6	1867.3	1914.9	1964.6	2083.8	2234.8	1988.4
55°	1648.8	1636.8	1658.7	1817.6	1966.6	2010.3	2101.7	2143.4	2258.6	2361.9	2075.8
57.5°	1730.2	1736.2	1762.0	1948.7	2137.4	2191.1	2282.4	2312.2	2413.5	2495.0	2139.4
60°	1837.5	1817.6	1873.2	2093.7	2326.1	2401.6	2477.1	2495.0	2570.5	2580.4	2169.2
62.5°	1940.8	1936.8	1984.5	2238.7	2528.8	2582.4	2659.9	2679.7	2711.5	2647.9	2127.5
65°	2004.3	2030.2	2119.5	2397.7	2759.2	2818.8	2896.3	2856.5	2820.8	2588.4	1922.9
67.5°	2091.7	2103.7	2240.7	2570.5	3025.4	3114.8	3182.3	3025.4	2759.2	2344.0	1619.0
70°	2111.6	2143.4	2322.2	2751.2	3299.5	3390.9	3394.9	2967.8	2534.7	1907.0	1174.0
72.5°	2024.2	2046.0	2298.3	2826.7	3456.4	3524.0	3319.4	2683.7	2008.3	1201.8	639.6
75°	1702.4	1764.0	2000.4	2594.3	3168.4	3142.6	2812.8	2048.0	1205.8	532.4	270.2
77.5°	1185.9	1187.9	1434.2	1887.1	2371.8	2365.9	2006.3	1187.9	516.5	214.5	158.9
80°	526.4	564.2	713.1	1017.1	1440.2	1440.2	1170.0	590.0	258.2	139.1	109.3
82.5°	309.9	321.8	381.4	474.8	701.2	739.0	560.2	393.3	176.8	87.4	67.5
85°	228.4	248.3	284.1	286.0	331.7	337.7	309.9	341.7	121.2	47.7	55.6
87.5°	170.8	182.8	226.5	188.7	176.8	166.9	190.7	349.6	45.7	23.8	17.9
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°	925.7	925.7	925.7	925.7	925.7	925.7	925.7	925.7	925.7	925.7	925.7
2.5°	915.8	915.8	911.8	903.8	903.8	887.9	891.9	895.9	886.0	886.0	887.9
5°	901.9	893.9	884.0	872.1	864.1	842.3	838.3	824.4	822.4	818.4	812.5
7.5°	874.0	862.1	844.2	826.4	800.5	780.7	756.8	737.0	729.0	723.1	721.1
10°	848.2	846.2	816.4	780.7	740.9	703.2	667.4	641.6	625.7	615.8	613.8
12.5°	848.2	832.3	790.6	740.9	683.3	627.7	582.0	546.3	524.4	508.5	502.6
15°	844.2	828.4	772.7	697.2	631.7	556.2	492.6	454.9	423.1	407.2	409.2
17.5°	848.2	824.4	746.9	665.5	574.1	492.6	417.2	371.5	339.7	327.8	325.8
20°	850.2	820.4	727.0	621.8	514.5	423.1	351.6	307.9	284.1	276.1	276.1
22.5°	846.2	808.5	697.2	570.1	462.8	365.5	305.9	268.2	252.3	242.3	246.3
25°	864.1	806.5	669.4	526.4	403.3	317.8	272.1	244.3	234.4	228.4	230.4
27.5°	868.1	806.5	647.6	476.7	351.6	282.1	246.3	228.4	220.5	216.5	214.5
30°	884.0	810.5	621.8	427.1	309.9	254.3	226.5	216.5	210.6	208.6	208.6
32.5°	927.7	822.4	593.9	385.4	274.1	230.4	212.6	204.6	200.6	198.6	200.6
35°	979.3	854.2	564.2	341.7	248.3	214.5	200.6	194.7	192.7	192.7	192.7
37.5°	1058.8	901.9	538.3	305.9	226.5	198.6	188.7	186.7	184.7	186.7	186.7
40°	1150.2	953.5	514.5	278.1	210.6	188.7	178.8	178.8	176.8	178.8	180.8
42.5°	1255.4	1017.1	490.7	250.3	196.7	180.8	172.8	170.8	168.8	172.8	174.8
45°	1400.5	1104.5	474.8	234.4	186.7	172.8	164.9	164.9	162.9	162.9	166.9
47.5°	1521.6	1187.9	474.8	218.5	180.8	166.9	158.9	158.9	154.9	156.9	156.9
50°	1622.9	1259.4	484.7	214.5	172.8	160.9	154.9	151.0	149.0	149.0	149.0
52.5°	1690.5	1303.1	492.6	210.6	168.8	153.0	149.0	147.0	143.0	141.0	143.0
55°	1758.0	1332.9	494.6	210.6	162.9	145.0	141.0	141.0	137.1	135.1	135.1
57.5°	1783.8	1321.0	466.8	206.6	158.9	139.1	135.1	133.1	131.1	129.1	129.1
60°	1771.9	1277.3	405.2	196.7	154.9	135.1	127.1	127.1	127.1	123.2	125.1
62.5°	1690.5	1128.3	325.8	180.8	149.0	127.1	119.2	123.2	123.2	121.2	121.2
65°	1475.9	931.6	264.2	166.9	141.0	121.2	113.2	119.2	121.2	119.2	117.2
67.5°	1180.0	717.1	218.5	151.0	131.1	111.2	105.3	111.2	113.2	111.2	111.2
70°	810.5	462.8	176.8	135.1	117.2	101.3	95.3	99.3	99.3	101.3	101.3
72.5°	419.1	250.3	145.0	115.2	101.3	91.4	85.4	85.4	83.4	83.4	83.4
75°	208.6	170.8	121.2	97.3	85.4	77.5	73.5	69.5	69.5	69.5	69.5
77.5°	145.0	131.1	99.3	77.5	69.5	63.6	63.6	57.6	57.6	57.6	57.6
80°	109.3	103.3	75.5	59.6	53.6	49.7	49.7	47.7	47.7	45.7	45.7
82.5°	77.5	83.4	57.6	43.7	39.7	37.7	37.7	35.8	35.8	31.8	31.8
85°	61.6	69.5	43.7	31.8	29.8	25.8	25.8	23.8	23.8	21.9	19.9
87.5°	17.9	37.7	17.9	11.9	11.9	11.9	11.9	9.9	9.9	7.9	7.9
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)