

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: P675367

Luminaire Tested: **CCW-SA-1B-722-U-SL2**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675367
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1B-722-U-SL2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/
SL2 distribution lens
Light Source: (16) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

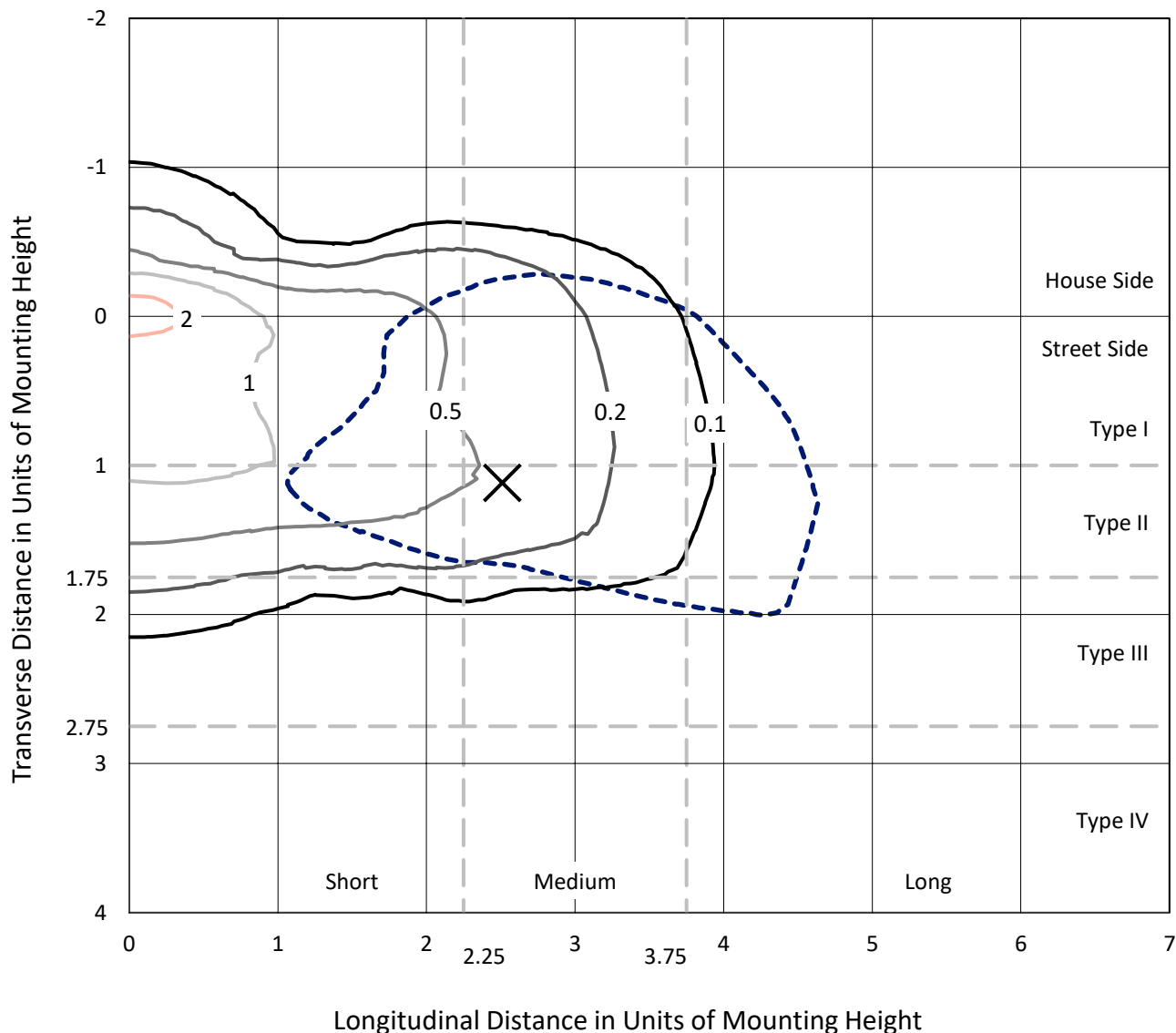
Lumens per Lamp: N/A
Luminaire Lumens: 2517.7 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 24
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

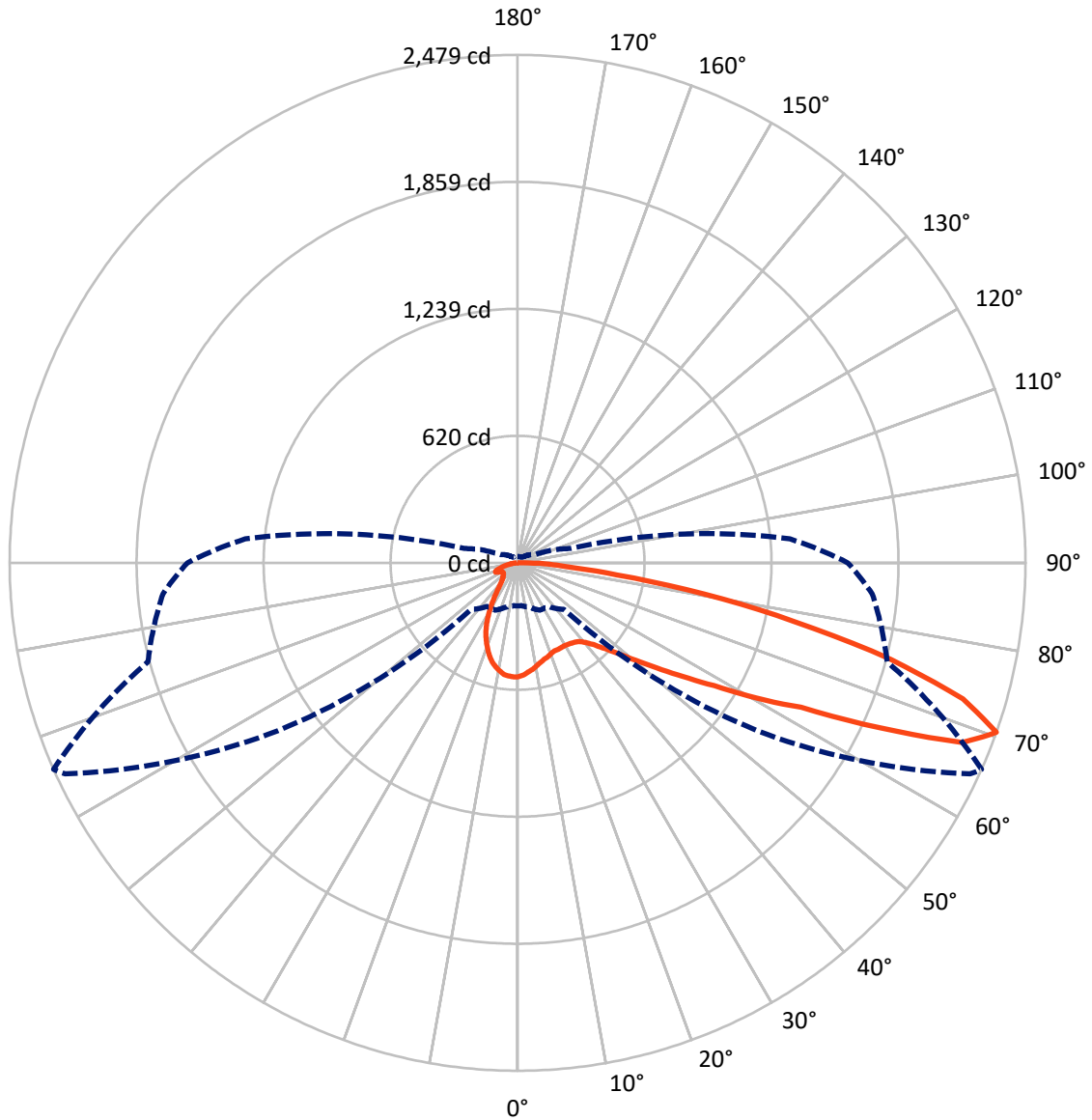
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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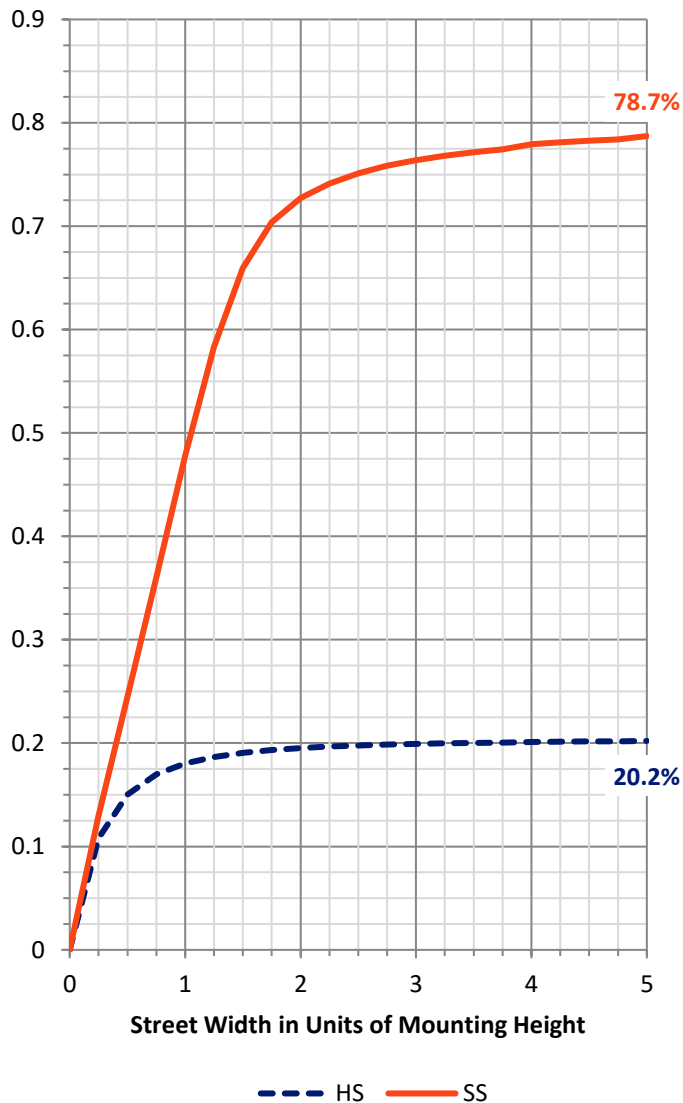
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	515.3	0.0	515.3
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	2002.4	0.0	2002.4
	% Fixture	79.5	0.0	79.5
Total	Lumens	2517.7	0.0	2517.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.2	2.0
10°-20°	121.1	4.8
20°-30°	166.3	6.6
30°-40°	222.9	8.9
40°-50°	323.5	12.8
50°-60°	491.7	19.5
60°-70°	607.3	24.1
70°-80°	451.6	17.9
80°-90°	84.2	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°	2517.7	100.0
0°-180°	2517.7	100.0

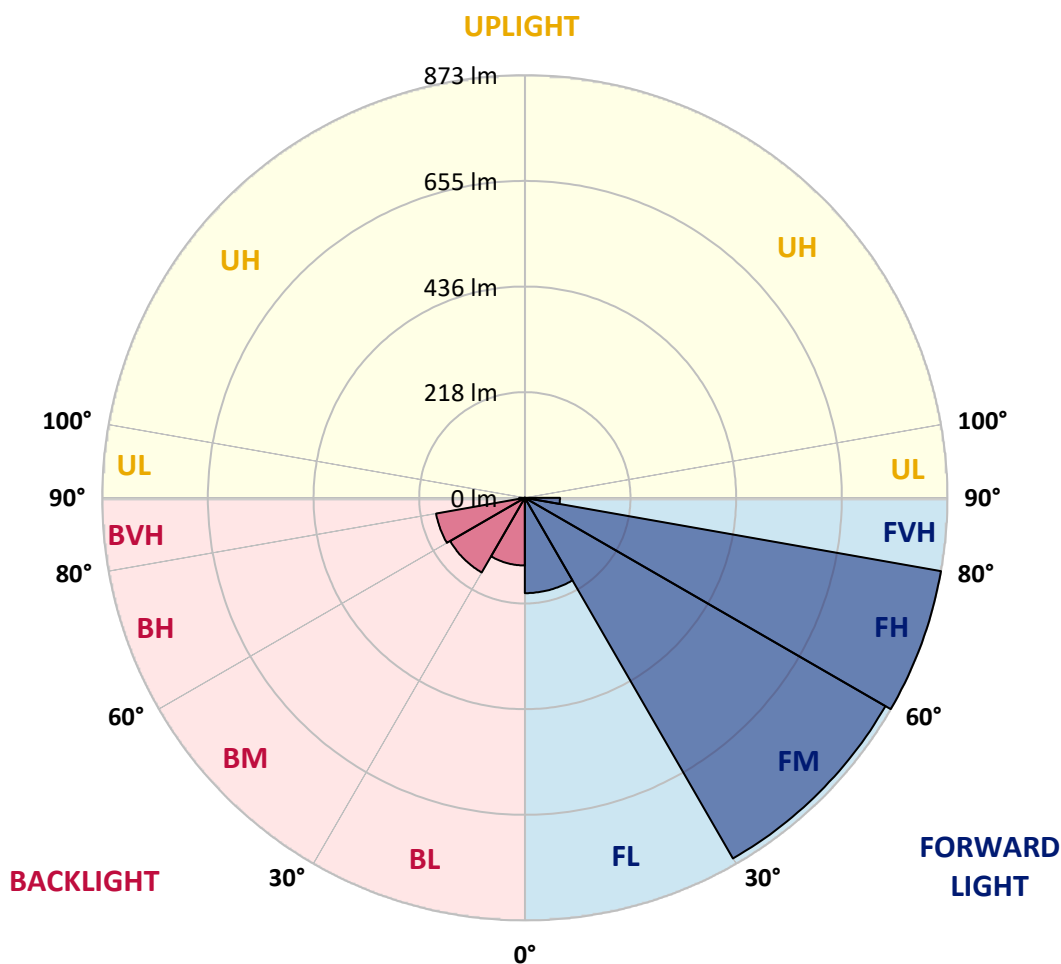


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	196.9	7.8			
FM (30°-60°)	860.1	34.2			
FH (60°-80°)	872.8	34.7			G1/1800
FVH (80°-90°)	72.6	2.9			G1/100
BL (0°-30°)	139.7	5.5	B1/500		
BM (30°-60°)	178.0	7.1	B0/220		
BH (60°-80°)	186.0	7.4	B1/500		G1/500
BVH (80°-90°)	11.6	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	556.2	556.2	556.2	556.2	556.2	556.2	556.2	556.2	556.2	556.2	556.2
2.5°	529.1	531.9	532.8	534.7	539.4	543.1	548.7	551.6	548.7	552.5	552.5
5°	492.6	488.8	498.2	501.9	507.5	515.0	528.1	538.4	535.6	546.9	556.2
7.5°	461.7	461.7	464.5	472.9	479.4	490.7	504.7	520.7	525.3	540.3	554.4
10°	433.6	437.3	437.3	450.4	454.2	467.3	490.7	510.4	511.3	536.6	556.2
12.5°	418.6	416.7	426.1	429.8	441.1	454.2	472.9	497.2	498.2	525.3	552.5
15°	406.4	408.3	413.0	422.3	432.6	442.9	460.7	483.2	487.9	519.7	550.6
17.5°	407.3	408.3	408.3	414.8	423.3	435.4	452.3	478.5	481.3	512.2	547.8
20°	413.0	409.2	412.0	414.8	420.5	431.7	445.7	468.2	471.0	511.3	554.4
22.5°	425.1	422.3	421.4	420.5	419.5	426.1	443.9	462.6	465.4	506.6	557.2
25°	444.8	443.9	437.3	430.8	426.1	426.1	440.1	467.3	466.3	506.6	559.0
27.5°	468.2	468.2	467.3	455.1	441.1	433.6	442.9	465.4	464.5	506.6	563.7
30°	500.1	500.1	497.2	486.0	460.7	439.2	444.8	463.5	466.3	502.9	560.0
32.5°	534.7	533.8	536.6	526.3	500.1	465.4	456.0	467.3	470.1	506.6	560.9
35°	560.0	565.6	575.0	565.6	539.4	492.6	472.0	474.8	476.6	507.5	564.7
37.5°	589.0	595.6	608.7	616.2	588.1	533.8	497.2	486.9	486.9	519.7	565.6
40°	631.2	624.6	647.1	660.2	648.9	584.3	536.6	509.4	510.4	535.6	577.8
42.5°	662.1	668.6	692.0	715.4	701.4	646.1	579.6	545.9	545.9	559.0	596.5
45°	696.7	704.2	737.0	765.1	775.4	720.1	638.6	598.4	596.5	604.9	630.2
47.5°	735.1	745.4	782.9	815.6	842.8	796.9	714.5	662.1	661.1	667.7	686.4
50°	779.1	782.9	813.8	873.7	928.0	899.0	807.2	751.9	747.3	750.1	775.4
52.5°	792.2	789.4	825.0	889.6	988.9	1023.5	933.6	854.0	852.1	845.6	878.4
55°	744.5	753.8	788.5	870.9	1038.5	1170.5	1072.2	993.5	976.7	958.9	998.2
57.5°	648.9	649.9	689.2	786.6	1000.1	1292.3	1307.2	1130.3	1131.2	1083.4	1128.4
60°	504.7	501.9	532.8	620.8	890.5	1329.7	1563.8	1348.5	1339.1	1208.0	1249.2
62.5°	364.3	358.7	365.2	416.7	665.8	1272.6	1815.7	1592.9	1553.5	1335.3	1367.2
65°	299.7	302.5	305.3	308.1	373.6	1049.7	1893.5	1991.8	1939.3	1484.2	1497.3
67.5°	248.2	250.0	262.2	279.1	277.2	619.9	1803.6	2360.7	2341.1	1668.7	1609.7
70°	210.7	209.8	223.8	254.7	259.4	322.1	1428.0	2436.6	2478.7	1867.2	1737.1
72.5°	168.6	170.4	182.6	223.8	254.7	271.6	822.2	2273.6	2272.7	2019.9	1668.7
75°	120.8	120.8	137.7	185.4	246.3	268.8	455.1	1845.7	1880.3	1898.1	1447.7
77.5°	79.6	83.3	96.5	138.6	231.3	263.1	288.4	1341.9	1385.0	1419.6	1107.8
80°	54.3	56.2	64.6	96.5	195.7	265.0	236.0	902.7	919.6	783.8	449.5
82.5°	32.8	33.7	43.1	67.4	140.5	251.9	221.9	498.2	487.9	236.9	129.2
85°	17.8	18.7	27.2	44.9	92.7	220.1	218.2	244.4	227.6	87.1	54.3
87.5°	6.6	6.6	12.2	22.5	53.4	150.8	190.1	145.1	135.8	44.0	25.3
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°	556.2	556.2	556.2	556.2	556.2	556.2	556.2	556.2	556.2	556.2	556.2
2.5°	557.2	557.2	557.2	557.2	556.2	552.5	555.3	554.4	548.7	549.7	545.9
5°	555.3	560.0	557.2	553.4	548.7	537.5	533.8	531.0	523.5	520.7	523.5
7.5°	560.0	556.2	554.4	547.8	529.1	518.8	505.7	489.8	478.5	475.7	478.5
10°	559.0	559.0	550.6	531.9	514.1	484.1	467.3	439.2	423.3	418.6	419.5
12.5°	555.3	558.1	545.0	515.0	481.3	444.8	413.9	383.9	355.8	344.6	342.7
15°	559.0	556.2	532.8	494.4	447.6	397.0	352.1	308.1	281.9	265.0	261.3
17.5°	553.4	550.6	516.9	466.3	403.6	339.0	282.8	235.0	208.8	202.3	202.3
20°	560.0	542.2	498.2	432.6	357.7	275.3	211.6	176.0	169.5	169.5	171.4
22.5°	559.0	540.3	482.3	399.9	302.5	207.9	157.3	147.0	148.0	155.4	154.5
25°	553.4	536.6	459.8	363.3	244.4	156.4	130.2	127.4	133.9	142.3	141.4
27.5°	552.5	526.3	439.2	320.3	186.3	123.6	113.3	113.3	119.9	127.4	126.4
30°	546.9	517.8	413.9	271.6	140.5	107.7	103.9	103.9	106.8	110.5	110.5
32.5°	545.9	506.6	385.8	221.0	112.4	97.4	95.5	96.5	96.5	98.3	97.4
35°	538.4	491.6	356.8	171.4	97.4	91.8	89.9	89.0	89.0	88.0	88.0
37.5°	535.6	482.3	326.8	133.0	90.8	87.1	85.2	82.4	81.5	81.5	80.5
40°	538.4	472.9	297.8	107.7	85.2	83.3	80.5	76.8	75.9	75.9	75.9
42.5°	548.7	472.0	267.8	93.6	82.4	79.6	75.9	72.1	71.2	72.1	71.2
45°	572.2	479.4	238.8	87.1	78.7	75.9	71.2	68.4	67.4	68.4	68.4
47.5°	610.5	500.1	212.6	83.3	75.9	72.1	67.4	64.6	64.6	64.6	64.6
50°	674.2	539.4	187.3	80.5	74.0	69.3	64.6	60.9	59.9	59.9	60.9
52.5°	769.7	606.8	166.7	78.7	71.2	65.5	60.9	58.1	56.2	55.2	56.2
55°	884.9	705.1	160.1	76.8	67.4	62.7	58.1	54.3	52.4	52.4	51.5
57.5°	1008.5	813.8	171.4	74.9	64.6	59.0	54.3	50.6	48.7	47.8	47.8
60°	1142.4	942.0	212.6	74.0	61.8	55.2	50.6	47.8	44.9	44.0	44.0
62.5°	1264.2	1058.2	286.5	73.0	59.9	51.5	46.8	43.1	41.2	40.3	40.3
65°	1402.8	1187.4	358.7	76.8	59.0	48.7	43.1	39.3	37.5	36.5	36.5
67.5°	1523.6	1299.8	400.8	86.2	61.8	44.9	38.4	35.6	34.6	33.7	33.7
70°	1611.6	1334.4	268.8	94.6	66.5	42.1	34.6	32.8	30.9	30.9	30.9
72.5°	1493.6	1191.1	159.2	89.0	62.7	39.3	30.9	29.0	28.1	28.1	27.2
75°	1277.3	1014.1	122.7	72.1	50.6	33.7	27.2	25.3	24.3	24.3	23.4
77.5°	943.0	726.7	90.8	57.1	39.3	27.2	23.4	22.5	21.5	20.6	20.6
80°	369.0	318.4	61.8	42.1	29.0	21.5	19.7	18.7	17.8	16.9	16.9
82.5°	114.2	96.5	35.6	28.1	20.6	16.9	15.9	15.0	14.0	13.1	13.1
85°	49.6	47.8	23.4	17.8	14.0	11.2	11.2	10.3	9.4	8.4	8.4
87.5°	24.3	23.4	13.1	8.4	7.5	5.6	5.6	4.7	3.7	3.7	3.7
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)