

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: P675410

Luminaire Tested: **CCW-SA-1A-740-U-SL2**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675410
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1A-740-U-SL2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/
SL2 distribution lens
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

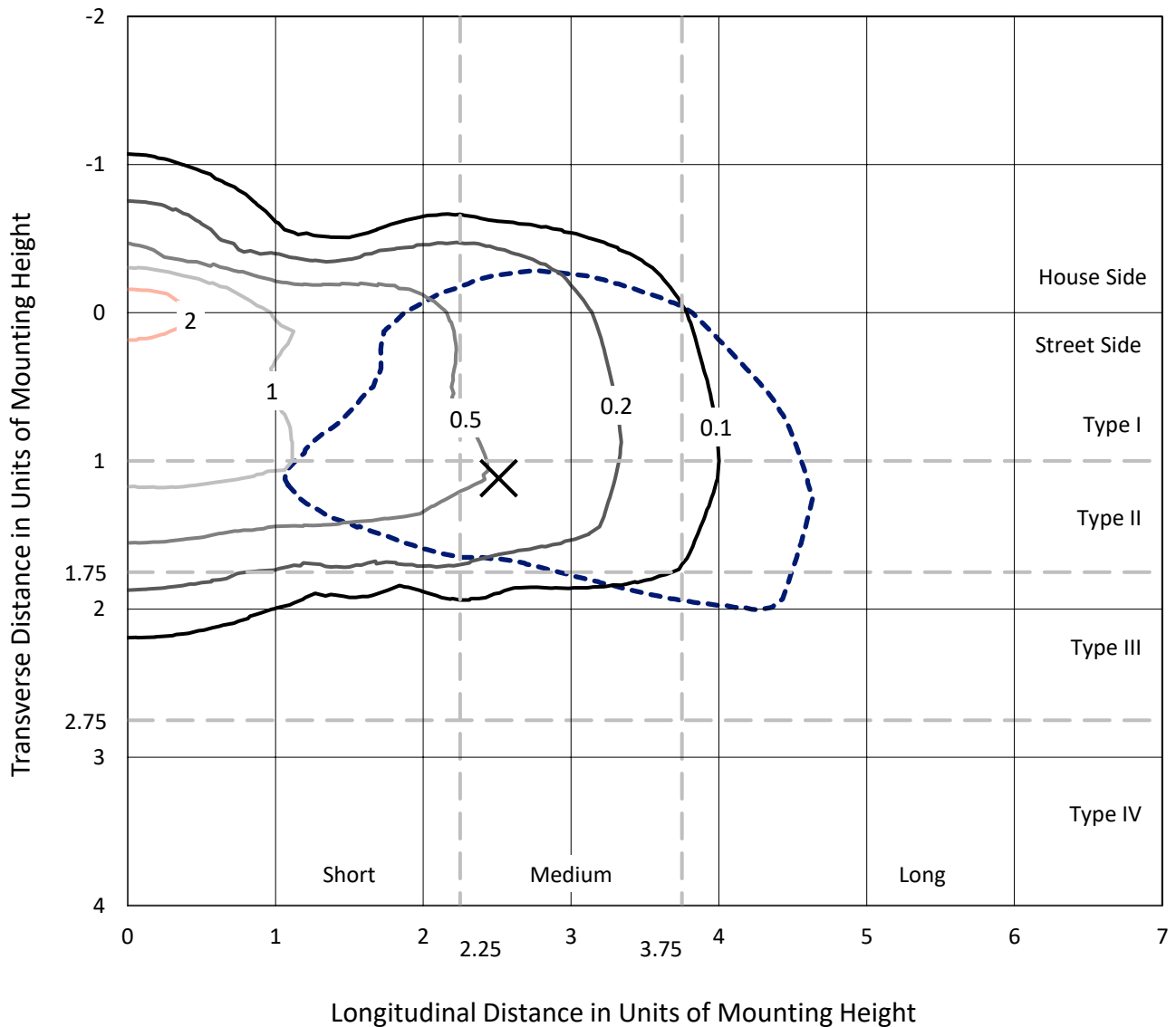
Lumens per Lamp: N/A
Luminaire Lumens: 2707.6 lumens
Efficiency: N/A
Efficacy: 150.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 18
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

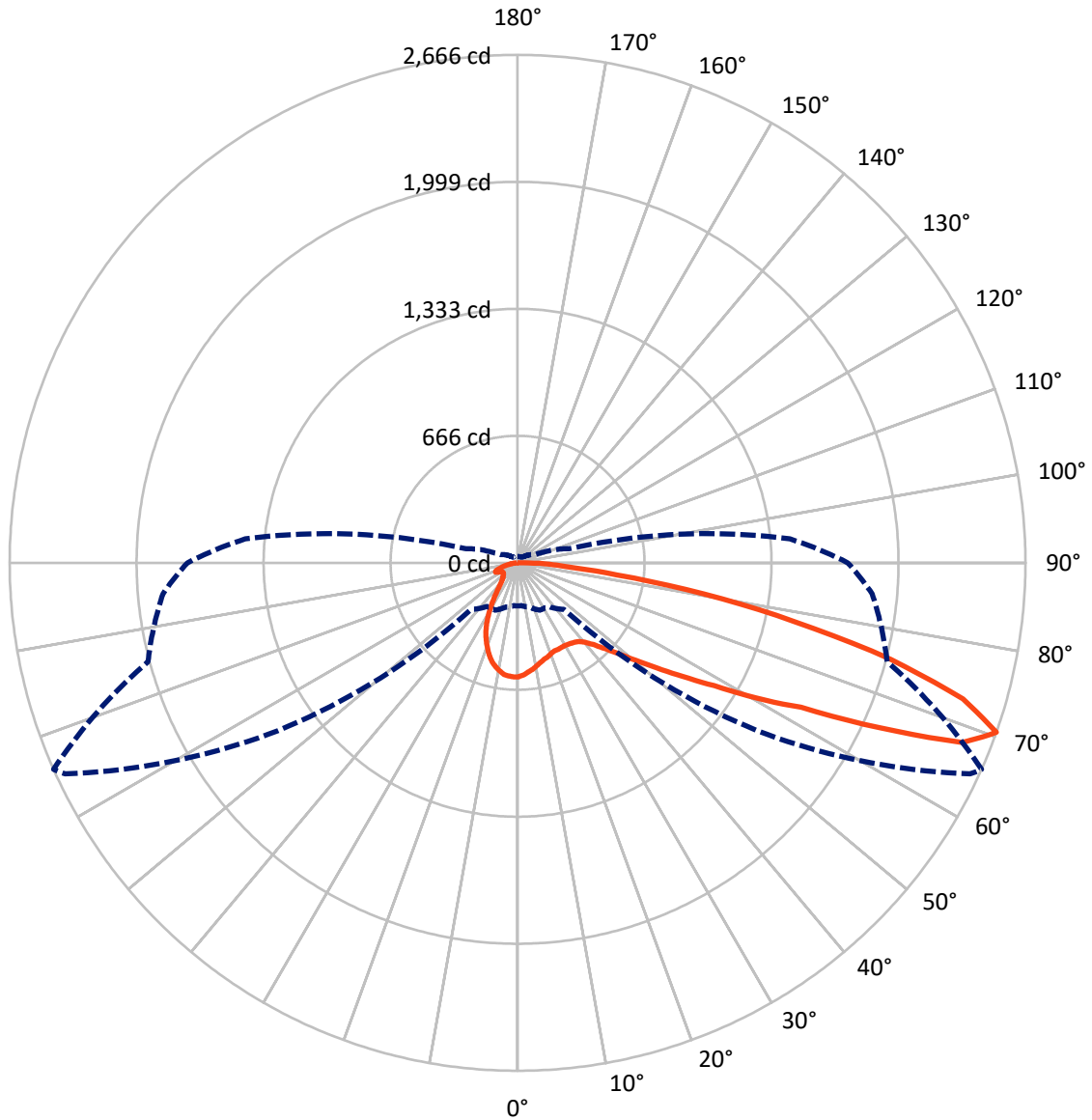
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.7 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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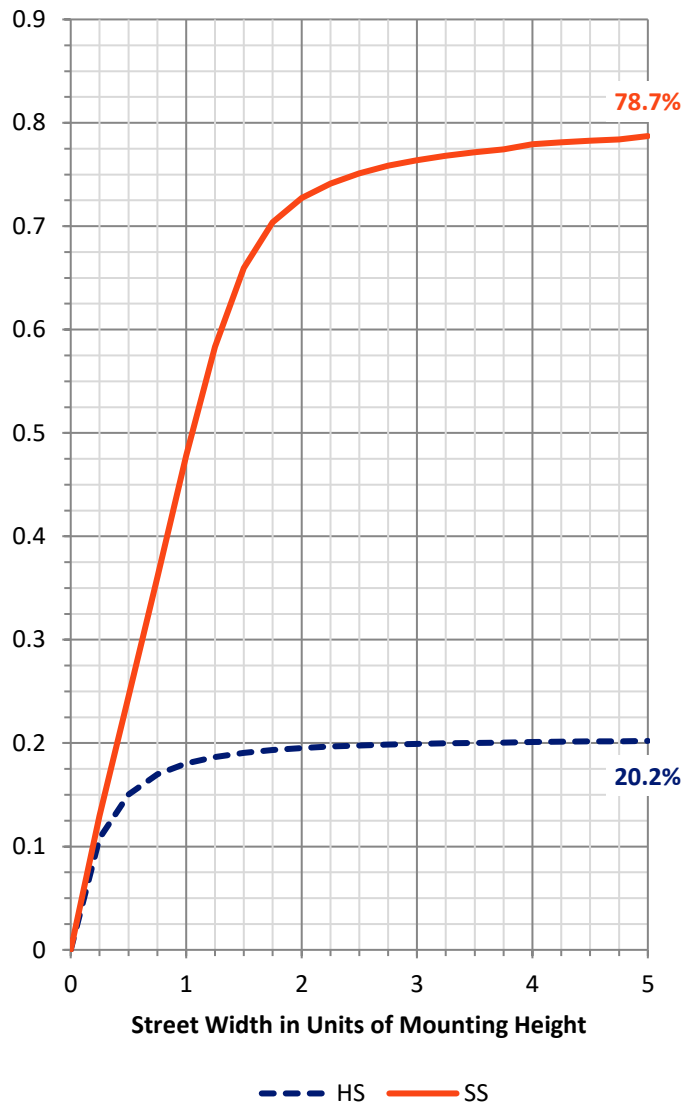
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	554.2	0.0	554.2
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	2153.4	0.0	2153.4
	% Fixture	79.5	0.0	79.5
Total	Lumens	2707.6	0.0	2707.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.9	2.0
10°-20°	130.2	4.8
20°-30°	178.8	6.6
30°-40°	239.8	8.9
40°-50°	347.9	12.8
50°-60°	528.8	19.5
60°-70°	653.1	24.1
70°-80°	485.6	17.9
80°-90°	90.6	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°	2707.6	100.0
0°-180°	2707.6	100.0

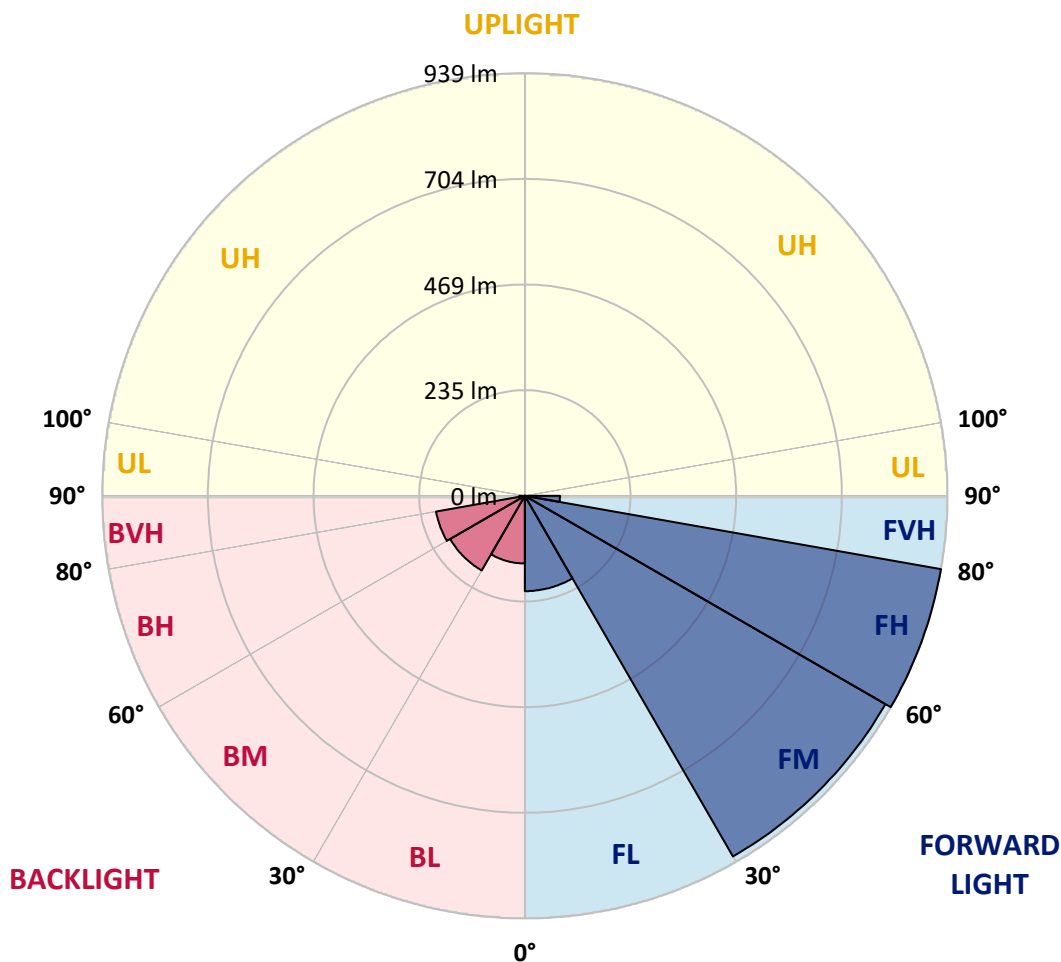


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	211.7	7.8			
FM (30°-60°)	925.0	34.2			
FH (60°-80°)	938.6	34.7			G1/1800
FVH (80°-90°)	78.1	2.9			G1/100
BL (0°-30°)	150.2	5.5	B1/500		
BM (30°-60°)	191.4	7.1	B0/220		
BH (60°-80°)	200.1	7.4	B1/500		G1/500
BVH (80°-90°)	12.5	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°	598.2	598.2	598.2	598.2	598.2	598.2	598.2	598.2	598.2	598.2	598.2
2.5°	569.0	572.0	573.0	575.0	580.1	584.1	590.1	593.2	590.1	594.2	594.2
5°	529.7	525.7	535.8	539.8	545.8	553.9	568.0	579.1	576.0	588.1	598.2
7.5°	496.5	496.5	499.5	508.6	515.6	527.7	542.8	559.9	565.0	581.1	596.2
10°	466.3	470.3	470.3	484.4	488.4	502.5	527.7	548.8	549.9	577.0	598.2
12.5°	450.2	448.1	458.2	462.2	474.3	488.4	508.6	534.7	535.8	565.0	594.2
15°	437.1	439.1	444.1	454.2	465.3	476.3	495.5	519.6	524.7	558.9	592.2
17.5°	438.1	439.1	439.1	446.1	455.2	468.3	486.4	514.6	517.6	550.9	589.1
20°	444.1	440.1	443.1	446.1	452.2	464.3	479.4	503.5	506.6	549.9	596.2
22.5°	457.2	454.2	453.2	452.2	451.2	458.2	477.3	497.5	500.5	544.8	599.2
25°	478.4	477.3	470.3	463.2	458.2	458.2	473.3	502.5	501.5	544.8	601.2
27.5°	503.5	503.5	502.5	489.4	474.3	466.3	476.3	500.5	499.5	544.8	606.3
30°	537.8	537.8	534.7	522.7	495.5	472.3	478.4	498.5	501.5	540.8	602.2
32.5°	575.0	574.0	577.0	566.0	537.8	500.5	490.4	502.5	505.5	544.8	603.2
35°	602.2	608.3	618.3	608.3	580.1	529.7	507.6	510.6	512.6	545.8	607.3
37.5°	633.4	640.5	654.6	662.6	632.4	574.0	534.7	523.7	523.7	558.9	608.3
40°	678.8	671.7	695.9	710.0	697.9	628.4	577.0	547.8	548.8	576.0	621.4
42.5°	712.0	719.0	744.2	769.4	754.3	694.9	623.4	587.1	587.1	601.2	641.5
45°	749.3	757.3	792.6	822.8	833.8	774.4	686.8	643.5	641.5	650.6	677.8
47.5°	790.5	801.6	841.9	877.2	906.4	857.0	768.4	712.0	711.0	718.0	738.2
50°	837.9	841.9	875.1	939.6	998.0	966.8	868.1	808.7	803.6	806.7	833.8
52.5°	852.0	849.0	887.2	956.7	1063.5	1100.7	1004.0	918.4	916.4	909.4	944.6
55°	800.6	810.7	847.9	936.6	1116.8	1258.8	1153.1	1068.5	1050.4	1031.2	1073.5
57.5°	697.9	698.9	741.2	845.9	1075.5	1389.7	1405.9	1215.5	1216.5	1165.2	1213.5
60°	542.8	539.8	573.0	667.7	957.7	1430.0	1681.8	1450.2	1440.1	1299.1	1343.4
62.5°	391.7	385.7	392.8	448.1	716.0	1368.6	1952.7	1713.0	1670.7	1436.1	1470.3
65°	322.3	325.3	328.3	331.3	401.8	1128.9	2036.3	2142.0	2085.6	1596.2	1610.3
67.5°	266.9	268.9	282.0	300.1	298.1	666.7	1939.6	2538.8	2517.7	1794.6	1731.1
70°	226.6	225.6	240.7	273.9	279.0	346.4	1535.8	2620.4	2665.7	2008.1	1868.1
72.5°	181.3	183.3	196.4	240.7	273.9	292.0	884.2	2445.1	2444.1	2172.2	1794.6
75°	129.9	129.9	148.0	199.4	264.9	289.0	489.4	1984.9	2022.2	2041.3	1556.9
77.5°	85.6	89.6	103.7	149.0	248.7	283.0	310.2	1443.1	1489.4	1526.7	1191.4
80°	58.4	60.4	69.5	103.7	210.5	285.0	253.8	970.8	988.9	842.9	483.4
82.5°	35.2	36.3	46.3	72.5	151.1	270.9	238.7	535.8	524.7	254.8	139.0
85°	19.1	20.1	29.2	48.3	99.7	236.7	234.6	262.8	244.7	93.7	58.4
87.5°	7.0	7.0	13.1	24.2	57.4	162.1	204.4	156.1	146.0	47.3	27.2
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°	598.2	598.2	598.2	598.2	598.2	598.2	598.2	598.2	598.2	598.2	598.2
2.5°	599.2	599.2	599.2	599.2	598.2	594.2	597.2	596.2	590.1	591.1	587.1
5°	597.2	602.2	599.2	595.2	590.1	578.1	574.0	571.0	562.9	559.9	562.9
7.5°	602.2	598.2	596.2	589.1	569.0	557.9	543.8	526.7	514.6	511.6	514.6
10°	601.2	601.2	592.2	572.0	552.9	520.7	502.5	472.3	455.2	450.2	451.2
12.5°	597.2	600.2	586.1	553.9	517.6	478.4	445.1	412.9	382.7	370.6	368.6
15°	601.2	598.2	573.0	531.7	481.4	427.0	378.7	331.3	303.1	285.0	281.0
17.5°	595.2	592.2	555.9	501.5	434.0	364.6	304.1	252.8	224.6	217.5	217.5
20°	602.2	583.1	535.8	465.3	384.7	296.1	227.6	189.3	182.3	182.3	184.3
22.5°	601.2	581.1	518.6	430.0	325.3	223.6	169.2	158.1	159.1	167.2	166.2
25°	595.2	577.0	494.5	390.7	262.8	168.2	140.0	137.0	144.0	153.1	152.1
27.5°	594.2	566.0	472.3	344.4	200.4	132.9	121.9	121.9	128.9	137.0	136.0
30°	588.1	556.9	445.1	292.0	151.1	115.8	111.8	111.8	114.8	118.8	118.8
32.5°	587.1	544.8	414.9	237.7	120.8	104.7	102.7	103.7	103.7	105.7	104.7
35°	579.1	528.7	383.7	184.3	104.7	98.7	96.7	95.7	95.7	94.7	94.7
37.5°	576.0	518.6	351.5	143.0	97.7	93.7	91.6	88.6	87.6	87.6	86.6
40°	579.1	508.6	320.2	115.8	91.6	89.6	86.6	82.6	81.6	81.6	81.6
42.5°	590.1	507.6	288.0	100.7	88.6	85.6	81.6	77.5	76.5	77.5	76.5
45°	615.3	515.6	256.8	93.7	84.6	81.6	76.5	73.5	72.5	73.5	73.5
47.5°	656.6	537.8	228.6	89.6	81.6	77.5	72.5	69.5	69.5	69.5	69.5
50°	725.1	580.1	201.4	86.6	79.6	74.5	69.5	65.5	64.5	64.5	65.5
52.5°	827.8	652.6	179.3	84.6	76.5	70.5	65.5	62.4	60.4	59.4	60.4
55°	951.7	758.3	172.2	82.6	72.5	67.5	62.4	58.4	56.4	56.4	55.4
57.5°	1084.6	875.1	184.3	80.6	69.5	63.4	58.4	54.4	52.4	51.4	51.4
60°	1228.6	1013.1	228.6	79.6	66.5	59.4	54.4	51.4	48.3	47.3	47.3
62.5°	1359.5	1138.0	308.2	78.6	64.5	55.4	50.4	46.3	44.3	43.3	43.3
65°	1508.6	1277.0	385.7	82.6	63.4	52.4	46.3	42.3	40.3	39.3	39.3
67.5°	1638.5	1397.8	431.0	92.6	66.5	48.3	41.3	38.3	37.3	36.3	36.3
70°	1733.2	1435.1	289.0	101.7	71.5	45.3	37.3	35.2	33.2	33.2	33.2
72.5°	1606.3	1281.0	171.2	95.7	67.5	42.3	33.2	31.2	30.2	30.2	29.2
75°	1373.6	1090.6	131.9	77.5	54.4	36.3	29.2	27.2	26.2	26.2	25.2
77.5°	1014.1	781.5	97.7	61.4	42.3	29.2	25.2	24.2	23.2	22.2	22.2
80°	396.8	342.4	66.5	45.3	31.2	23.2	21.1	20.1	19.1	18.1	18.1
82.5°	122.9	103.7	38.3	30.2	22.2	18.1	17.1	16.1	15.1	14.1	14.1
85°	53.4	51.4	25.2	19.1	15.1	12.1	12.1	11.1	10.1	9.1	9.1
87.5°	26.2	25.2	14.1	9.1	8.1	6.0	6.0	5.0	4.0	4.0	4.0
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)