

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: P672254

Luminaire Tested: **CCP-SA-1A-740-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672254
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-740-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T3R distribution lens
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

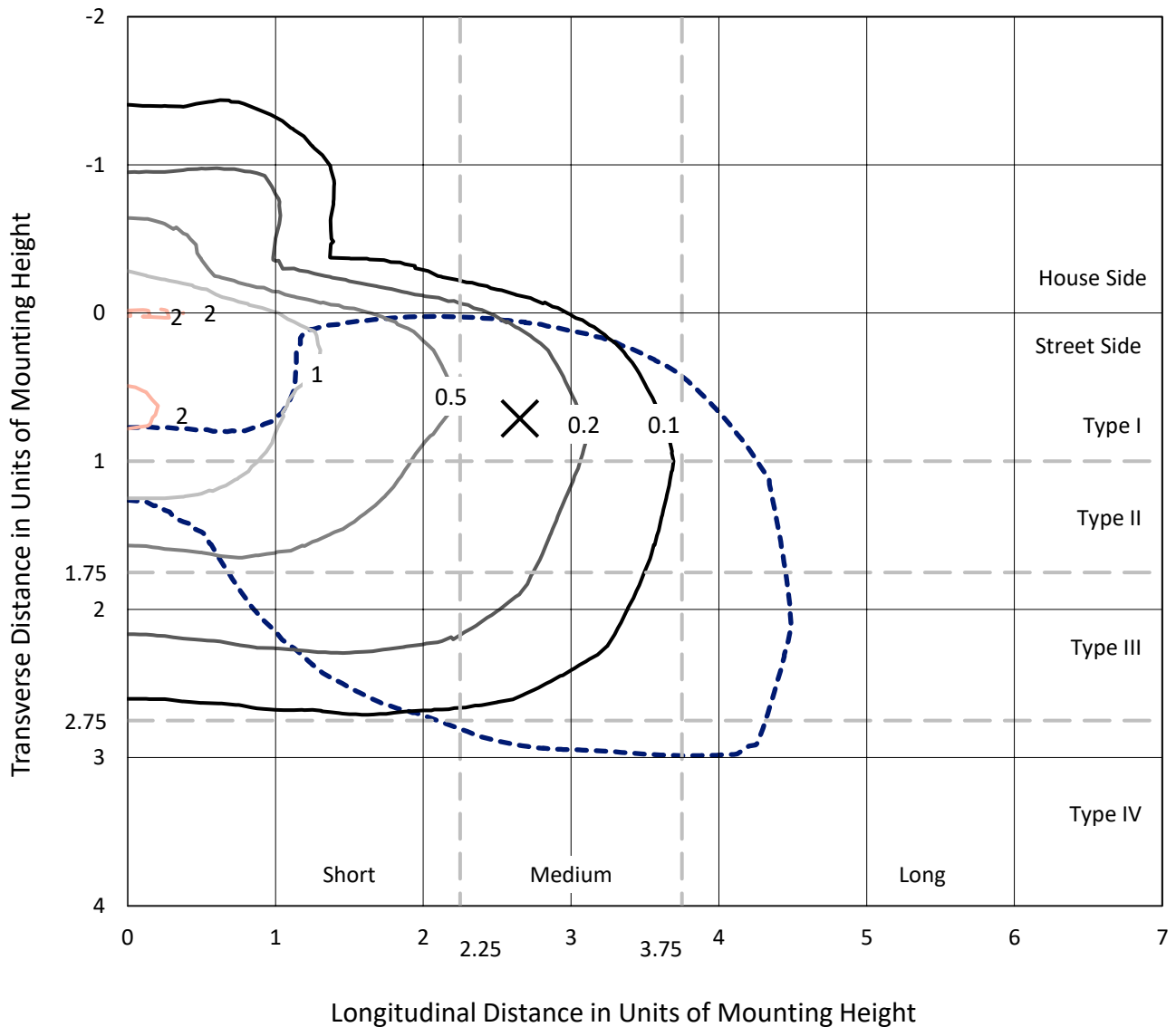
Lumens per Lamp: N/A
Luminaire Lumens: 2780.6 lumens
Efficiency: N/A
Efficacy: 154.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G1

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

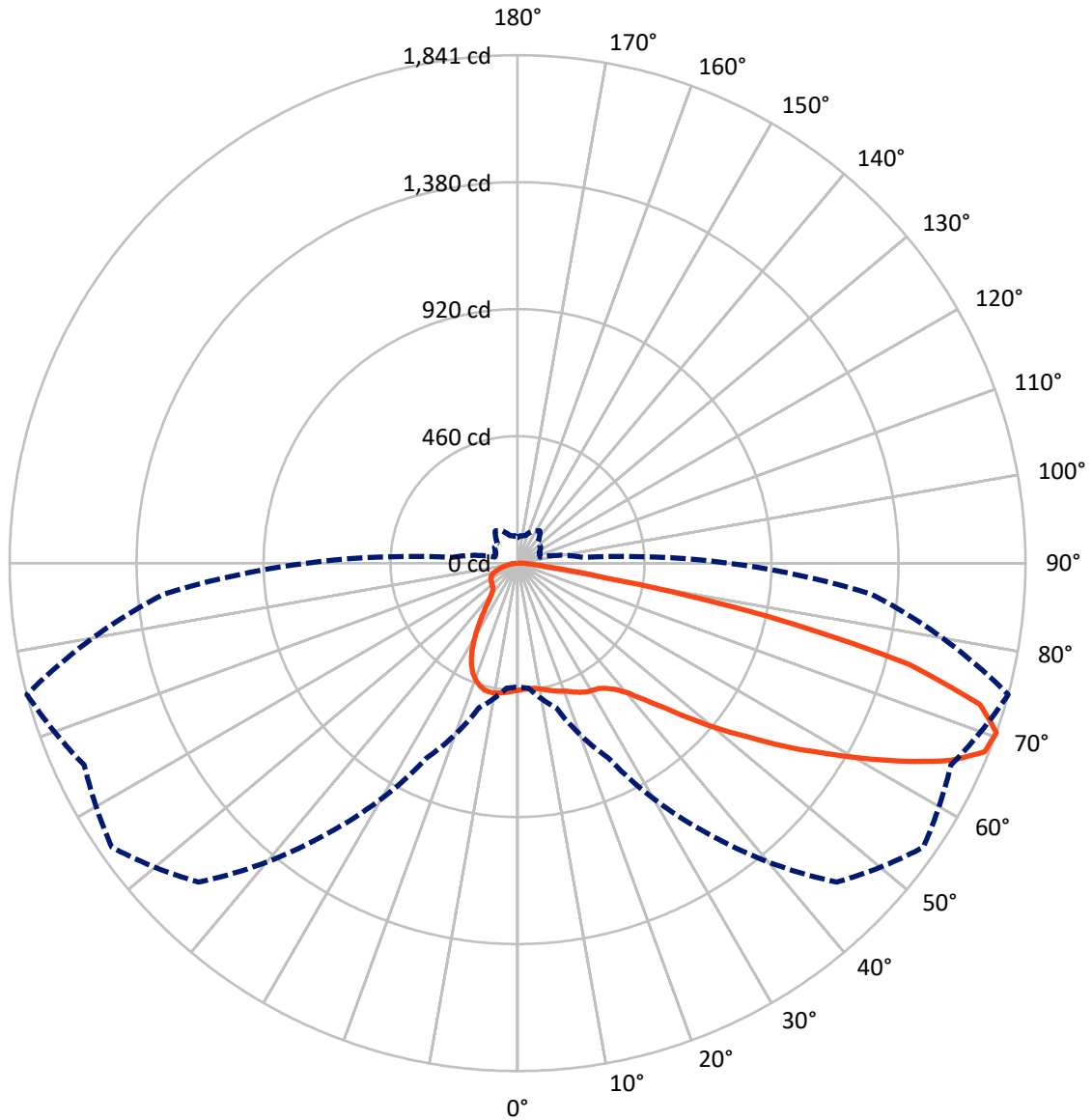
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.1 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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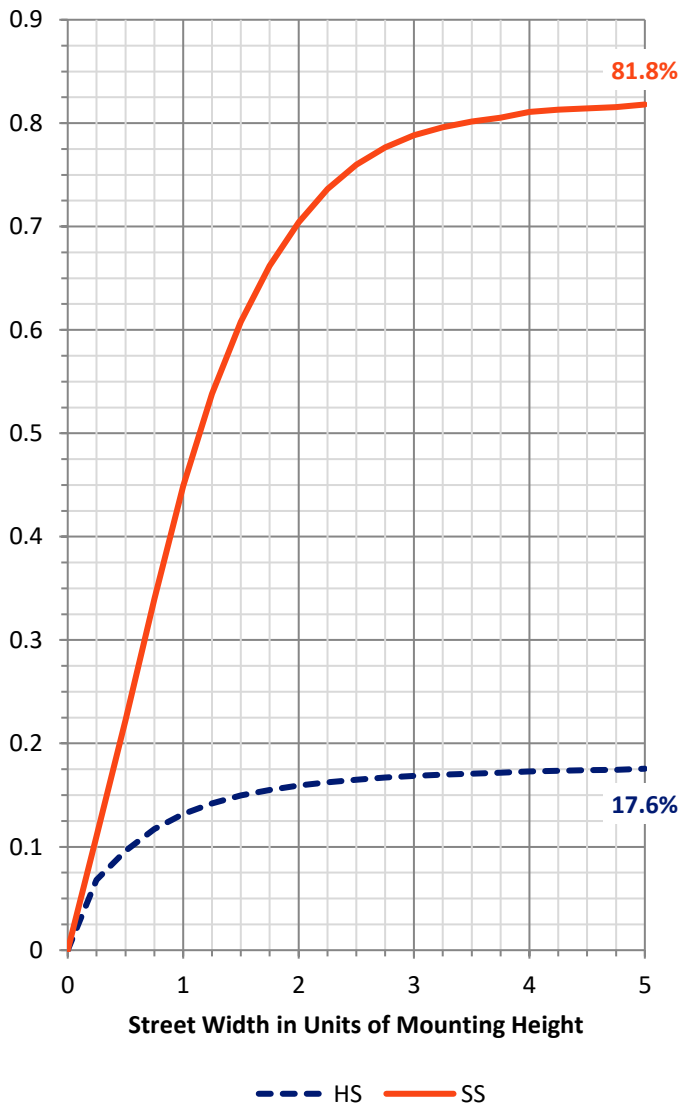
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	494.7	0.0	494.7
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	2285.9	0.0	2285.9
	% Fixture	82.2	0.0	82.2
Total	Lumens	2780.6	0.0	2780.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.4	1.5
10°-20°	110.4	4.0
20°-30°	186.0	6.7
30°-40°	282.6	10.2
40°-50°	404.8	14.6
50°-60°	536.7	19.3
60°-70°	671.7	24.2
70°-80°	490.5	17.6
80°-90°	56.5	2.0
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°	2780.6	100.0
0°-180°	2780.6	100.0



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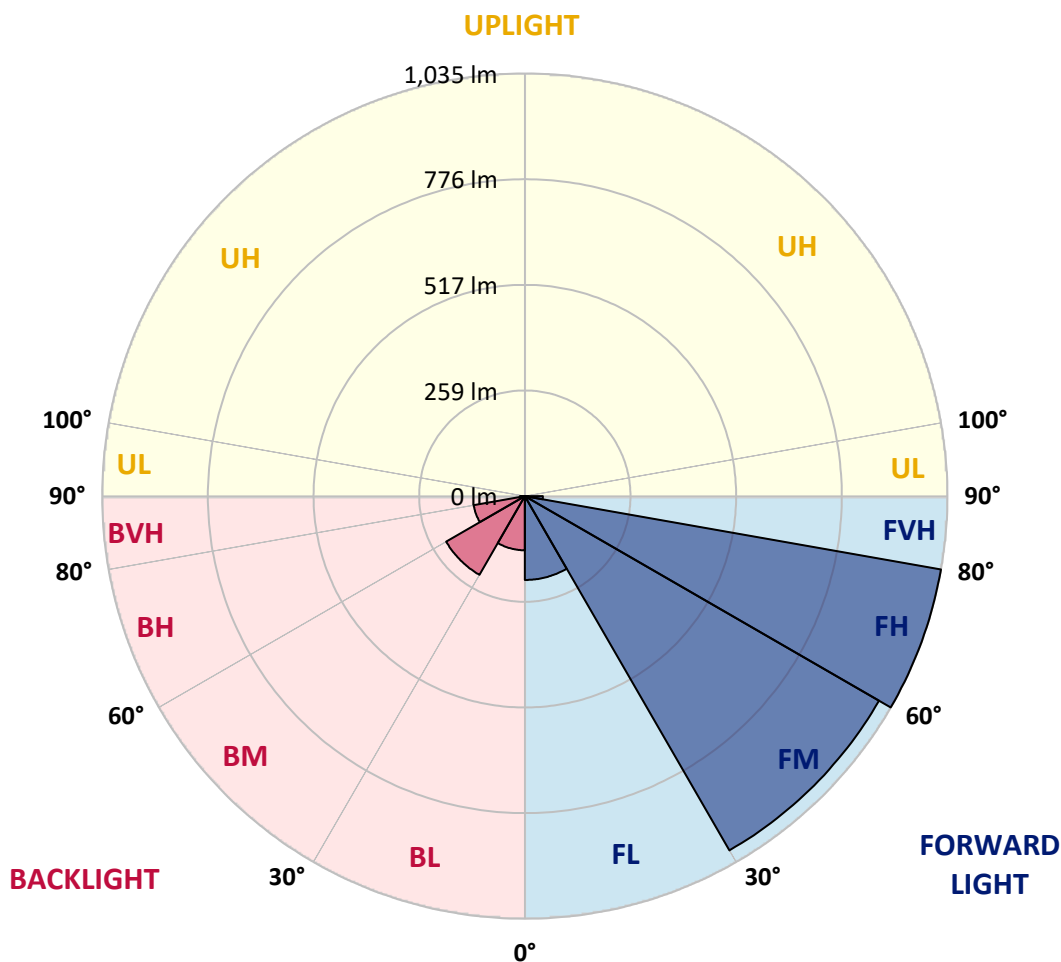
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	205.2	7.4			
FM (30°-60°)	1001.7	36.0			
FH (60°-80°)	1034.9	37.2			G1/1800
FVH (80°-90°)	44.1	1.6			G1/100
BL (0°-30°)	132.6	4.8	B1/500		
BM (30°-60°)	222.4	8.0	B1/1000		
BH (60°-80°)	127.2	4.6	B1/500		G1/500
BVH (80°-90°)	12.4	0.4			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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	460.6	460.6	460.6	460.6	460.6	460.6	460.6	460.6	460.6	460.6	460.6
2.5°	435.4	437.8	440.0	442.2	444.0	448.8	449.8	455.0	456.4	457.6	459.2
5°	411.0	412.8	415.0	418.6	422.4	431.0	437.0	448.4	454.8	456.8	462.4
7.5°	397.8	398.4	401.4	404.4	408.8	417.2	425.4	443.2	456.0	458.2	470.2
10°	388.2	389.0	391.8	396.0	400.4	408.2	418.4	439.6	460.4	463.8	480.8
12.5°	384.8	384.4	387.6	390.4	396.6	406.4	417.0	439.8	466.4	471.2	496.2
15°	398.4	395.8	397.8	396.8	398.8	408.4	421.0	444.2	473.8	479.8	512.2
17.5°	428.4	426.2	424.8	416.2	410.6	416.0	428.0	450.4	481.6	488.0	526.6
20°	473.2	467.0	461.8	447.4	431.8	430.0	438.4	456.6	489.0	495.2	541.8
22.5°	524.2	519.2	510.8	485.6	461.4	449.4	451.6	468.0	499.8	506.6	559.2
25°	588.6	588.4	571.2	537.2	500.6	476.4	471.8	486.2	512.0	518.6	573.6
27.5°	662.1	657.1	636.7	592.9	546.8	509.8	499.0	504.8	521.8	528.6	585.2
30°	724.9	725.5	704.7	656.9	596.1	542.4	522.0	518.2	528.2	535.0	596.1
32.5°	792.1	788.7	769.7	720.5	649.3	577.4	536.8	527.8	534.8	541.2	611.1
35°	855.4	851.6	835.2	782.1	707.9	616.1	556.8	542.8	550.4	557.4	629.5
37.5°	915.6	916.2	897.6	847.0	764.7	661.7	586.4	565.4	573.6	581.4	657.5
40°	968.2	965.2	950.8	905.2	823.7	708.1	619.9	596.3	612.3	619.5	692.9
42.5°	985.0	984.8	990.4	962.4	885.8	763.3	661.5	644.3	666.9	677.7	736.3
45°	970.4	974.8	1007.2	1006.4	947.8	826.8	718.3	702.7	735.3	747.5	789.3
47.5°	956.0	962.6	1006.6	1031.6	1003.4	896.6	788.1	776.5	823.3	841.0	844.4
50°	935.0	941.2	993.6	1035.2	1037.4	967.2	878.6	864.0	924.2	942.2	904.2
52.5°	911.6	916.4	970.6	1032.6	1053.6	1022.4	967.2	963.0	1032.2	1046.8	965.0
55°	782.3	802.7	936.8	1027.0	1064.9	1064.7	1053.4	1067.3	1150.1	1171.9	1032.8
57.5°	708.1	718.9	841.6	1023.8	1085.9	1103.7	1142.5	1172.1	1275.9	1295.5	1107.7
60°	683.9	693.5	793.7	1020.0	1127.7	1164.7	1229.5	1277.5	1411.2	1435.2	1191.3
62.5°	661.9	673.5	774.3	989.8	1178.3	1261.3	1333.4	1391.6	1553.9	1582.3	1274.5
65°	617.1	625.3	738.7	964.4	1226.3	1399.2	1483.2	1517.2	1692.1	1724.1	1329.8
67.5°	539.6	547.4	658.5	906.0	1257.5	1542.7	1647.1	1647.3	1799.0	1825.2	1341.4
70°	448.6	454.6	542.8	778.7	1192.5	1634.7	1795.0	1732.3	1829.2	1840.6	1286.1
72.5°	320.7	325.9	397.6	575.6	977.8	1560.1	1828.6	1728.7	1755.9	1752.3	1129.1
75°	197.7	207.7	243.5	351.3	607.7	1227.5	1645.7	1566.5	1474.4	1464.4	850.2
77.5°	128.9	134.1	164.7	207.3	268.1	704.7	1249.9	1174.5	931.0	919.4	457.0
80°	77.4	86.0	107.8	130.3	121.5	269.5	713.7	583.4	328.9	325.3	140.5
82.5°	41.6	49.4	76.0	80.6	68.2	95.2	258.5	189.7	105.2	104.0	52.6
85°	33.0	36.8	54.6	51.0	38.6	48.2	100.8	79.0	54.0	52.8	19.8
87.5°	20.0	25.2	41.4	34.4	19.2	17.4	46.2	37.4	25.4	23.6	7.8
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°	460.6	460.6	460.6	460.6	460.6	460.6	460.6	460.6	460.6	460.6	460.6
2.5°	462.2	463.2	464.2	462.2	463.0	462.0	462.0	462.0	459.4	458.6	461.0
5°	466.6	468.0	468.8	462.6	458.8	453.2	448.6	441.6	437.6	435.0	435.0
7.5°	475.6	477.2	473.6	459.8	446.4	431.4	416.0	403.2	394.0	390.0	391.2
10°	488.8	489.4	477.4	452.0	423.4	395.6	373.8	356.8	345.3	339.5	338.7
12.5°	504.2	501.6	478.2	434.8	392.4	355.0	328.3	306.3	291.7	286.1	283.3
15°	519.4	513.2	475.2	414.2	357.2	312.1	278.1	257.3	248.3	245.7	244.7
17.5°	533.0	521.4	465.2	384.6	316.3	262.1	237.1	229.7	230.7	233.1	234.1
20°	545.4	527.6	450.8	349.3	265.3	223.1	216.9	223.7	229.3	232.9	233.5
22.5°	559.0	533.6	430.8	306.5	223.5	205.1	212.5	220.3	225.9	229.5	230.1
25°	569.4	533.4	402.6	255.7	197.1	200.3	209.1	216.1	220.3	222.9	222.7
27.5°	576.0	528.6	365.6	213.9	186.7	196.9	205.3	209.9	212.3	214.3	214.1
30°	578.0	519.4	318.9	183.1	181.9	193.7	200.1	202.9	204.7	206.7	206.7
32.5°	582.0	505.2	267.5	165.9	178.3	190.5	194.3	196.5	195.1	190.1	189.1
35°	586.4	489.4	218.9	157.9	174.9	188.3	191.9	186.1	170.9	168.9	168.1
37.5°	595.1	474.8	177.7	152.3	174.1	189.5	192.5	169.3	156.5	150.3	149.3
40°	609.7	460.2	150.1	148.3	175.1	194.7	184.5	161.3	140.1	128.3	126.3
42.5°	628.9	442.4	134.5	146.3	177.9	203.1	181.7	149.9	126.7	118.7	117.4
45°	651.1	418.8	127.1	145.9	181.3	207.3	182.5	140.7	120.7	114.4	114.0
47.5°	674.1	395.6	123.9	145.5	185.5	205.5	171.5	137.9	118.3	116.4	117.6
50°	698.9	369.2	121.3	144.5	188.9	205.5	165.5	137.3	119.1	123.1	127.1
52.5°	722.1	346.9	118.3	141.5	190.3	201.9	163.7	139.5	120.3	119.3	120.5
55°	750.3	335.5	116.6	137.3	187.7	190.9	161.5	145.5	121.3	113.0	113.0
57.5°	782.5	333.1	114.2	131.7	179.3	175.7	161.3	149.1	118.7	111.0	109.6
60°	821.3	338.3	111.2	124.7	169.1	163.9	159.9	149.1	114.4	107.6	108.2
62.5°	852.8	337.7	109.4	118.5	155.5	151.7	157.3	147.1	112.8	107.2	107.0
65°	860.2	324.9	104.2	110.4	138.7	136.9	154.5	142.1	110.6	105.0	103.4
67.5°	835.2	295.9	96.4	99.8	120.9	121.1	149.5	135.5	107.6	103.8	101.2
70°	764.1	239.3	84.8	87.0	101.6	104.2	142.1	127.7	102.6	98.6	92.4
72.5°	639.5	172.1	71.4	72.0	80.8	87.6	129.3	117.0	95.2	85.8	79.2
75°	473.4	114.2	58.2	57.4	60.6	71.2	110.4	105.2	85.6	71.2	67.8
77.5°	250.3	67.6	44.8	45.0	43.0	54.6	87.6	91.4	76.0	60.0	56.6
80°	85.6	40.6	32.2	33.6	30.4	39.0	65.0	76.0	65.0	50.0	44.2
82.5°	39.2	24.8	23.0	24.0	21.8	26.4	44.6	57.6	51.8	36.4	29.4
85°	19.8	14.8	14.8	16.2	14.4	13.6	24.6	38.2	38.0	25.0	21.6
87.5°	8.2	7.2	6.8	7.8	6.8	5.2	7.0	13.8	20.0	15.0	9.6
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)