

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: P673219

Luminaire Tested: **CCP-SA-1B-722-U-T3-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P673219
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-722-U-T3-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @450mA w/ T3 distribution lens and House Side Shield
Light Source: (16) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

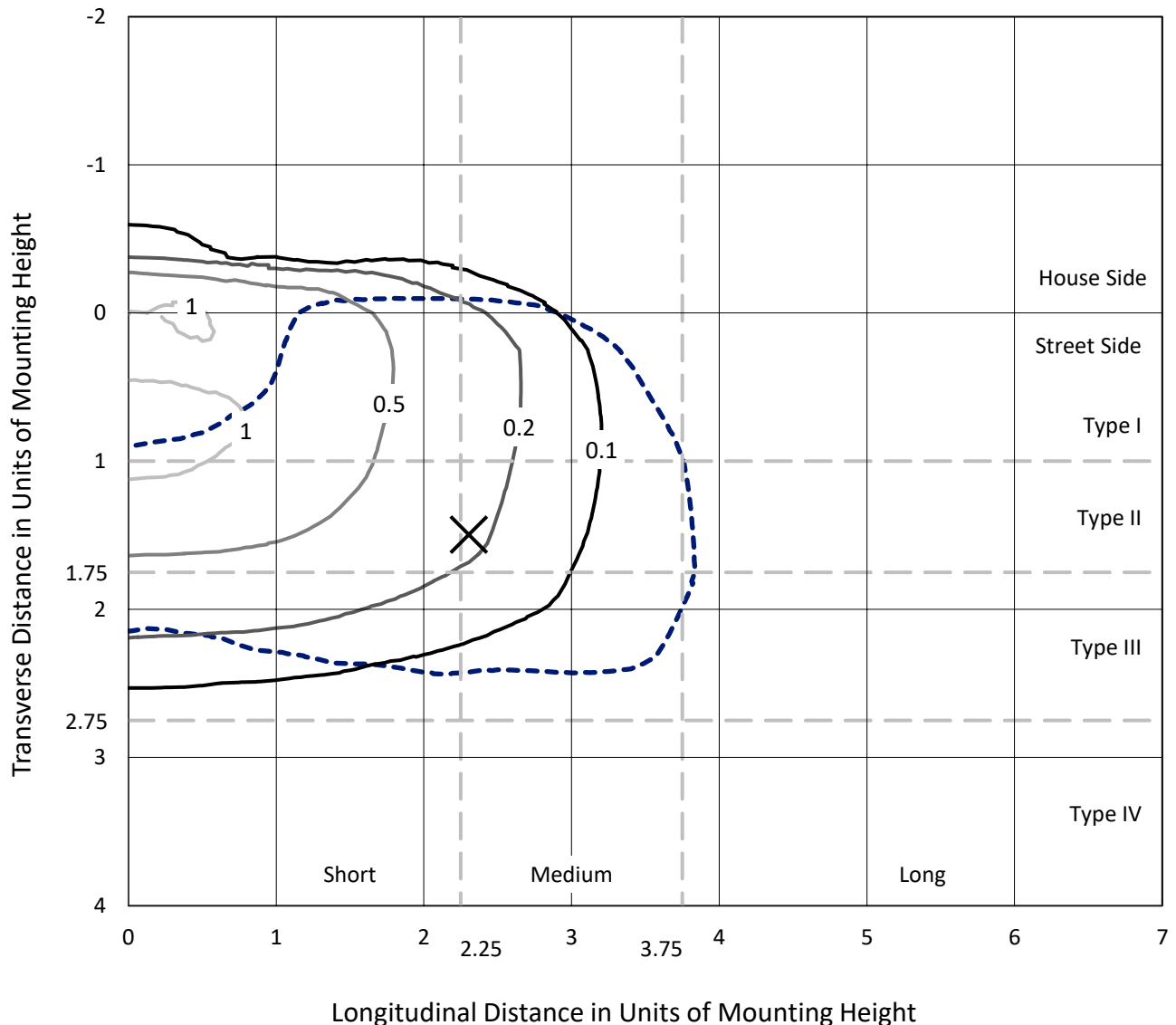
Lumens per Lamp: N/A
Luminaire Lumens: 1832.7 lumens
Efficiency: N/A
Efficacy: 76.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - U0 - G1

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

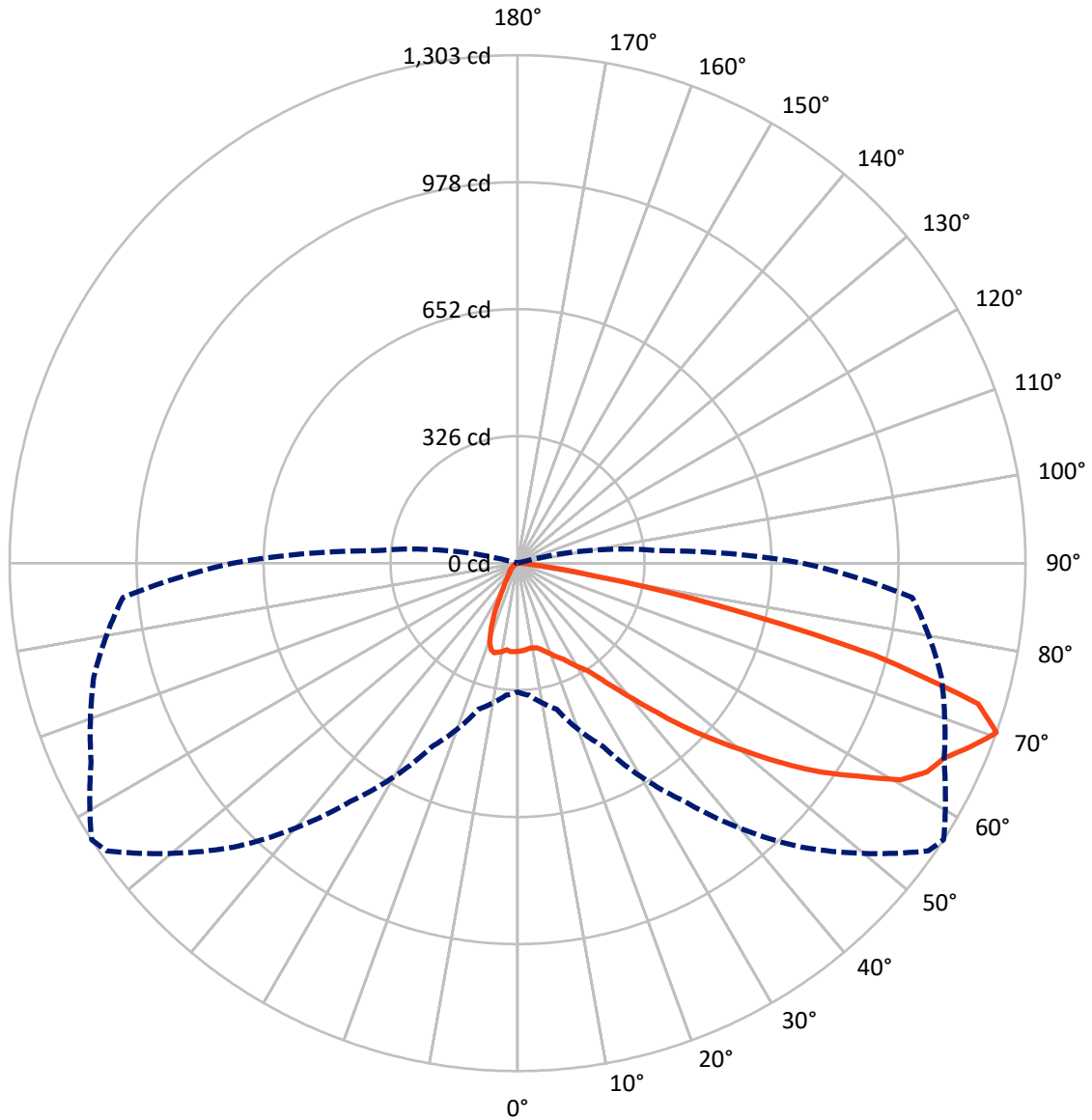
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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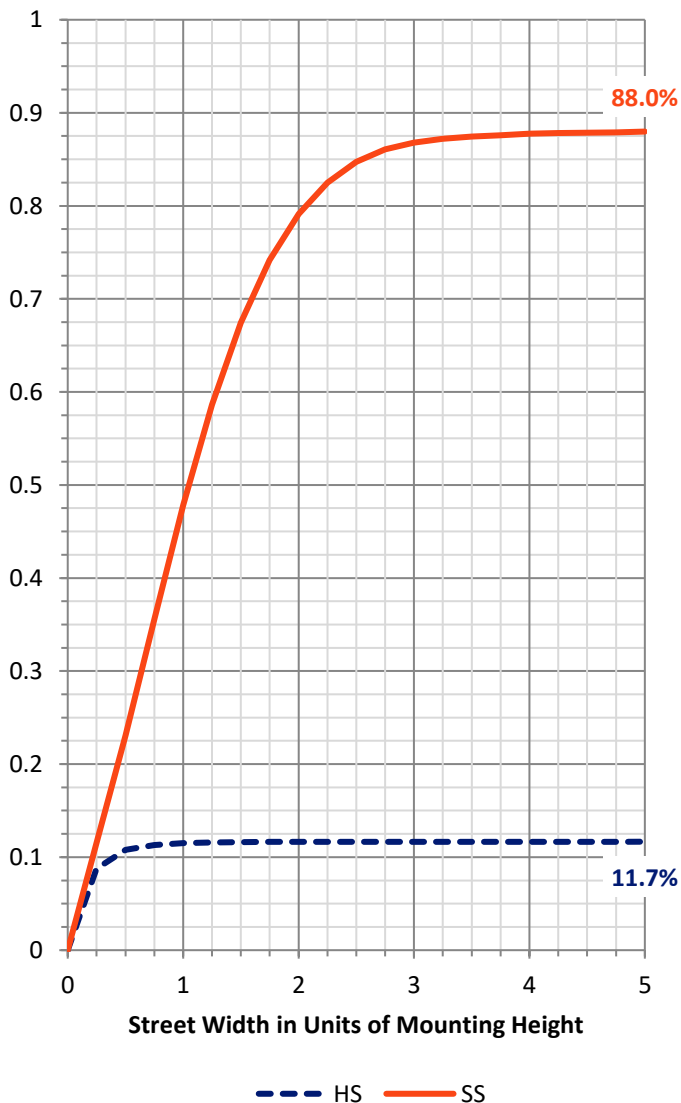
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	216.0	0.0	216.0
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	1616.7	0.0	1616.7
	% Fixture	88.2	0.0	88.2
Total	Lumens	1832.7	0.0	1832.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.1	1.2
10°-20°	59.1	3.2
20°-30°	99.5	5.4
30°-40°	170.3	9.3
40°-50°	286.0	15.6
50°-60°	439.0	24.0
60°-70°	506.8	27.7
70°-80°	239.4	13.1
80°-90°	11.4	0.6
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°	1832.7	100.0
0°-180°	1832.7	100.0



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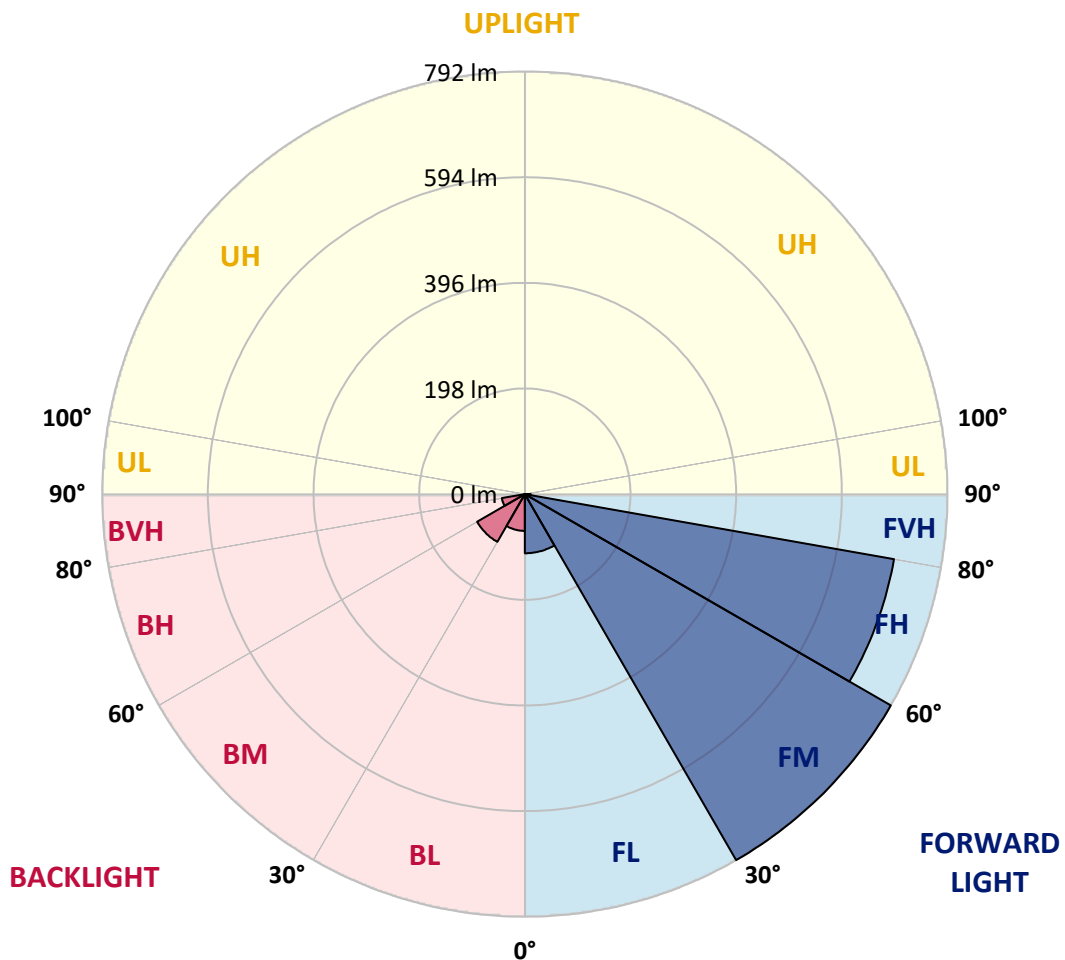
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	110.9	6.0			
FM (30°-60°)	792.1	43.2			
FH (60°-80°)	702.6	38.3			G1/1800
FVH (80°-90°)	11.2	0.6			G1/100
BL (0°-30°)	68.9	3.8	B0/110		
BM (30°-60°)	103.3	5.6	B0/220		
BH (60°-80°)	43.7	2.4	B0/110		G0/110
BVH (80°-90°)	0.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	226.1	226.1	226.1	226.1	226.1	226.1	226.1	226.1	226.1	226.1	226.1
2.5°	222.9	221.4	222.9	224.7	222.9	224.3	223.8	225.2	223.3	223.3	224.7
5°	208.3	210.7	211.6	214.0	216.3	220.5	223.3	223.3	226.1	227.5	229.4
7.5°	203.2	199.4	203.2	205.1	207.4	214.4	218.6	220.5	224.3	229.4	232.2
10°	195.7	198.5	198.5	204.6	207.9	212.1	219.6	221.0	229.4	234.6	237.4
12.5°	195.2	195.2	197.6	201.8	208.3	216.3	225.7	222.9	231.7	241.1	245.8
15°	196.6	199.9	199.9	205.5	210.7	221.9	229.9	230.3	243.0	252.3	256.6
17.5°	202.7	201.3	203.2	206.5	214.4	225.2	238.3	239.7	254.2	266.9	272.9
20°	215.4	217.7	214.9	213.0	216.3	230.3	247.2	250.0	266.4	278.6	284.6
22.5°	262.6	260.8	249.5	236.4	230.8	237.4	255.6	262.2	281.4	295.9	301.0
25°	316.0	312.7	299.6	280.0	254.2	251.4	272.5	272.5	300.1	316.0	314.6
27.5°	366.6	365.6	350.2	329.6	293.1	272.9	286.1	291.2	321.2	334.3	328.2
30°	418.1	419.0	405.0	380.2	341.8	307.6	305.2	309.5	337.1	357.7	345.0
32.5°	478.0	469.6	459.7	425.6	390.5	352.1	330.1	328.2	354.9	373.6	356.7
35°	531.4	526.2	515.5	484.6	444.3	398.4	367.5	362.8	377.3	402.2	383.9
37.5°	578.2	573.0	559.0	538.4	507.0	456.0	412.5	405.4	411.5	437.7	415.7
40°	618.5	619.9	616.1	596.0	567.0	520.6	470.5	459.3	454.1	477.5	452.7
42.5°	647.5	661.1	662.0	637.2	613.8	588.5	532.3	523.4	511.2	530.9	513.6
45°	708.3	700.9	705.5	696.6	670.9	667.1	603.5	598.3	581.5	588.0	569.8
47.5°	756.1	754.7	763.6	749.1	742.1	742.5	684.5	675.6	651.7	663.9	643.3
50°	783.7	776.2	808.5	819.8	818.4	824.0	766.4	758.9	736.0	753.8	709.8
52.5°	790.3	803.9	834.3	875.0	892.3	904.0	855.8	853.0	828.2	839.4	778.6
55°	806.7	819.8	837.6	904.5	968.7	971.5	943.8	946.6	924.6	921.8	844.1
57.5°	806.2	803.4	852.5	930.3	1019.2	1059.5	1044.5	1030.9	1007.0	979.4	886.3
60°	776.7	775.3	826.3	933.5	1046.8	1139.1	1145.2	1129.2	1069.3	1028.6	935.9
62.5°	718.2	723.8	775.3	905.4	1073.1	1167.6	1190.1	1179.3	1104.9	1061.3	994.4
65°	651.2	639.5	699.5	835.2	1014.1	1159.2	1207.9	1204.1	1147.0	1096.9	1048.2
67.5°	522.5	527.6	573.5	718.6	913.4	1128.3	1249.6	1255.2	1180.7	1128.3	1064.6
70°	331.0	340.4	388.1	519.2	745.8	1030.9	1287.0	1303.4	1207.4	1125.5	1016.9
72.5°	96.4	100.2	165.3	258.9	475.2	826.8	1227.1	1235.5	1155.5	1021.6	786.5
75°	31.8	33.7	48.7	84.3	186.3	427.4	906.4	946.2	919.5	740.7	449.9
77.5°	21.1	22.0	26.7	40.3	70.7	133.9	486.0	528.6	518.3	346.9	145.1
80°	15.4	15.9	19.7	27.2	43.1	48.2	179.3	207.4	200.4	79.6	29.0
82.5°	9.8	9.8	14.5	19.2	27.2	23.9	52.0	57.6	56.2	30.4	11.2
85°	6.6	7.0	10.8	15.0	15.0	11.2	15.0	17.3	18.7	16.4	5.1
87.5°	1.9	2.3	6.1	10.3	6.1	5.6	5.1	5.6	6.6	8.9	2.8
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°	226.1	226.1	226.1	226.1	226.1	226.1	226.1	226.1	226.1	226.1	226.1
2.5°	226.1	228.0	227.5	228.5	227.1	225.7	227.1	227.1	227.1	225.7	224.7
5°	228.0	227.1	228.0	226.1	228.0	226.1	225.2	222.4	221.9	221.9	223.8
7.5°	230.8	231.7	227.5	227.5	223.3	224.3	221.9	222.4	221.4	220.0	219.1
10°	235.0	238.8	234.6	233.2	228.5	224.7	219.1	216.3	216.3	214.4	216.3
12.5°	246.7	245.3	243.0	238.3	232.7	225.2	211.6	198.0	186.8	178.4	182.6
15°	256.1	255.6	252.3	243.5	236.0	213.0	178.8	143.7	125.0	116.6	115.2
17.5°	270.6	269.2	263.6	251.9	227.1	176.5	122.7	93.2	74.9	70.7	69.3
20°	284.2	283.7	271.5	256.6	204.6	128.7	80.1	61.3	56.2	56.6	55.7
22.5°	298.7	296.4	281.8	250.9	162.9	85.7	57.1	54.8	52.9	52.4	53.4
25°	315.1	306.7	292.1	238.3	119.9	59.0	53.8	52.0	50.1	49.6	49.6
27.5°	321.6	316.0	296.8	207.9	75.8	51.5	50.6	48.2	45.9	44.5	44.0
30°	336.6	327.3	301.5	163.4	53.8	47.3	45.9	43.1	39.8	37.5	37.5
32.5°	351.6	340.4	302.0	114.2	44.9	42.6	40.3	36.5	32.3	30.0	30.4
35°	370.3	354.9	296.8	74.0	40.3	37.5	32.8	28.6	24.8	22.9	22.9
37.5°	402.2	387.6	275.8	48.7	36.5	31.8	27.2	22.5	19.2	17.8	17.8
40°	442.4	423.7	246.7	38.4	32.3	27.2	21.5	17.3	15.4	14.0	14.0
42.5°	490.6	467.2	203.7	34.2	28.6	22.5	16.9	13.6	11.7	11.7	11.2
45°	538.9	500.5	159.6	31.4	25.3	18.7	13.1	10.8	9.8	9.4	9.4
47.5°	607.7	540.7	114.2	28.6	22.0	14.5	10.8	8.9	8.0	7.5	8.0
50°	673.7	578.7	81.0	25.7	18.3	11.7	8.9	8.0	7.0	6.6	6.6
52.5°	731.8	604.9	56.6	22.5	15.4	9.8	8.0	7.0	6.6	6.1	6.1
55°	763.6	596.0	38.9	19.2	12.6	8.4	7.0	6.1	5.6	5.1	5.1
57.5°	796.4	571.2	29.5	15.9	10.3	8.0	6.6	5.6	5.1	4.7	4.7
60°	824.0	552.9	22.9	12.6	8.4	6.6	5.6	4.7	4.2	3.7	3.3
62.5°	825.4	516.4	16.9	9.4	6.6	5.6	4.7	3.7	2.3	1.9	1.4
65°	831.0	478.0	12.2	7.0	4.7	4.2	3.3	1.9	0.9	0.0	0.0
67.5°	811.3	432.6	9.8	5.1	3.3	2.3	1.4	0.5	0.0	0.0	0.0
70°	731.3	365.2	7.5	3.7	2.3	1.4	0.5	0.0	0.0	0.0	0.0
72.5°	523.4	237.4	5.1	2.8	0.9	0.5	0.0	0.0	0.0	0.0	0.0
75°	279.0	101.1	3.7	1.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	87.5	25.7	2.3	0.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0
80°	19.2	7.0	1.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	6.6	2.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.3	0.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.9	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)