

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: P673375

Luminaire Tested: **CCP-SA-1C-727-U-T4FT-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P673375
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-727-U-T4FT-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ T4FT distribution lens and House Side Shield
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

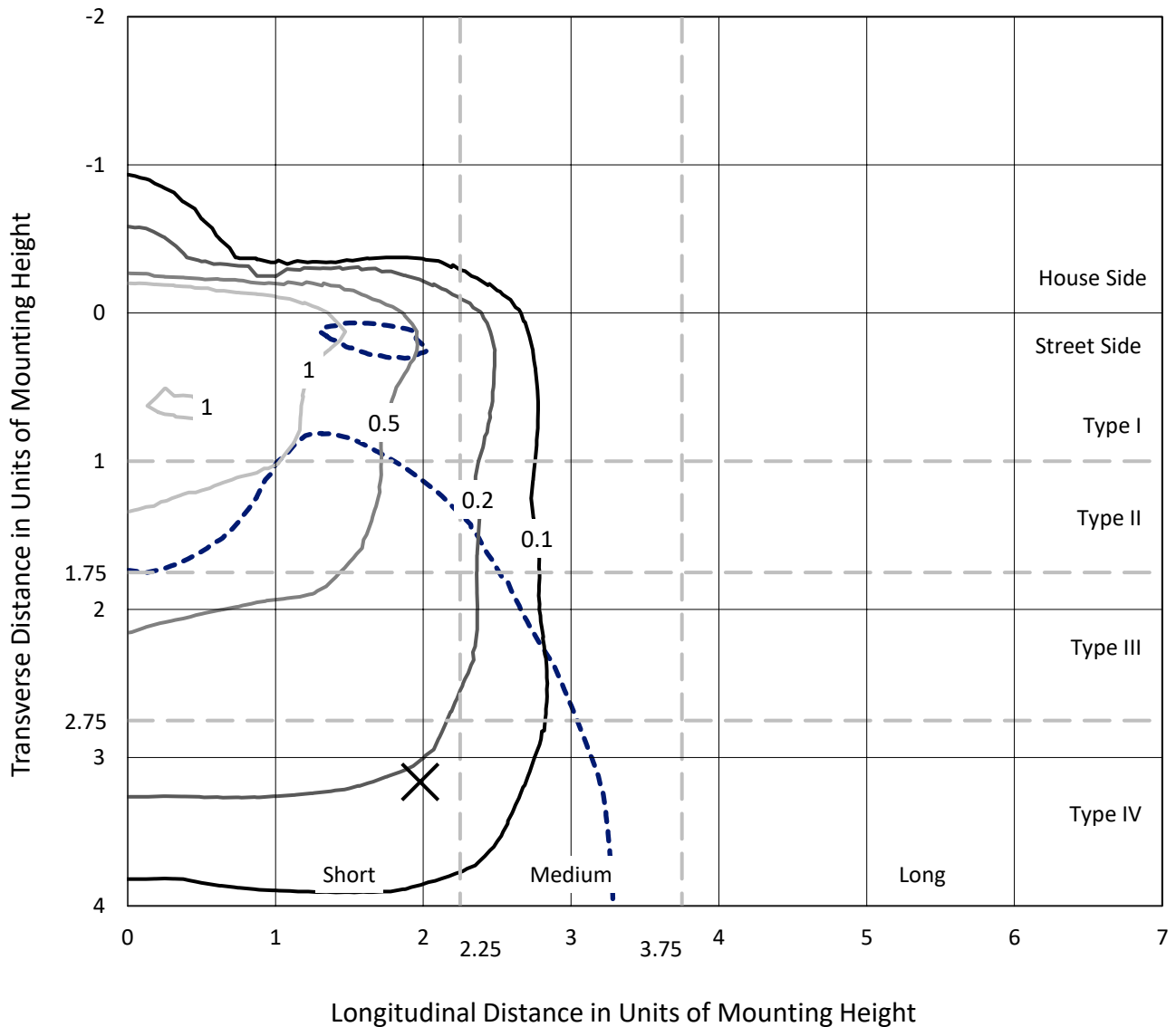
Lumens per Lamp: N/A
Luminaire Lumens: 2715 lumens
Efficiency: N/A
Efficacy: 84.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 32
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

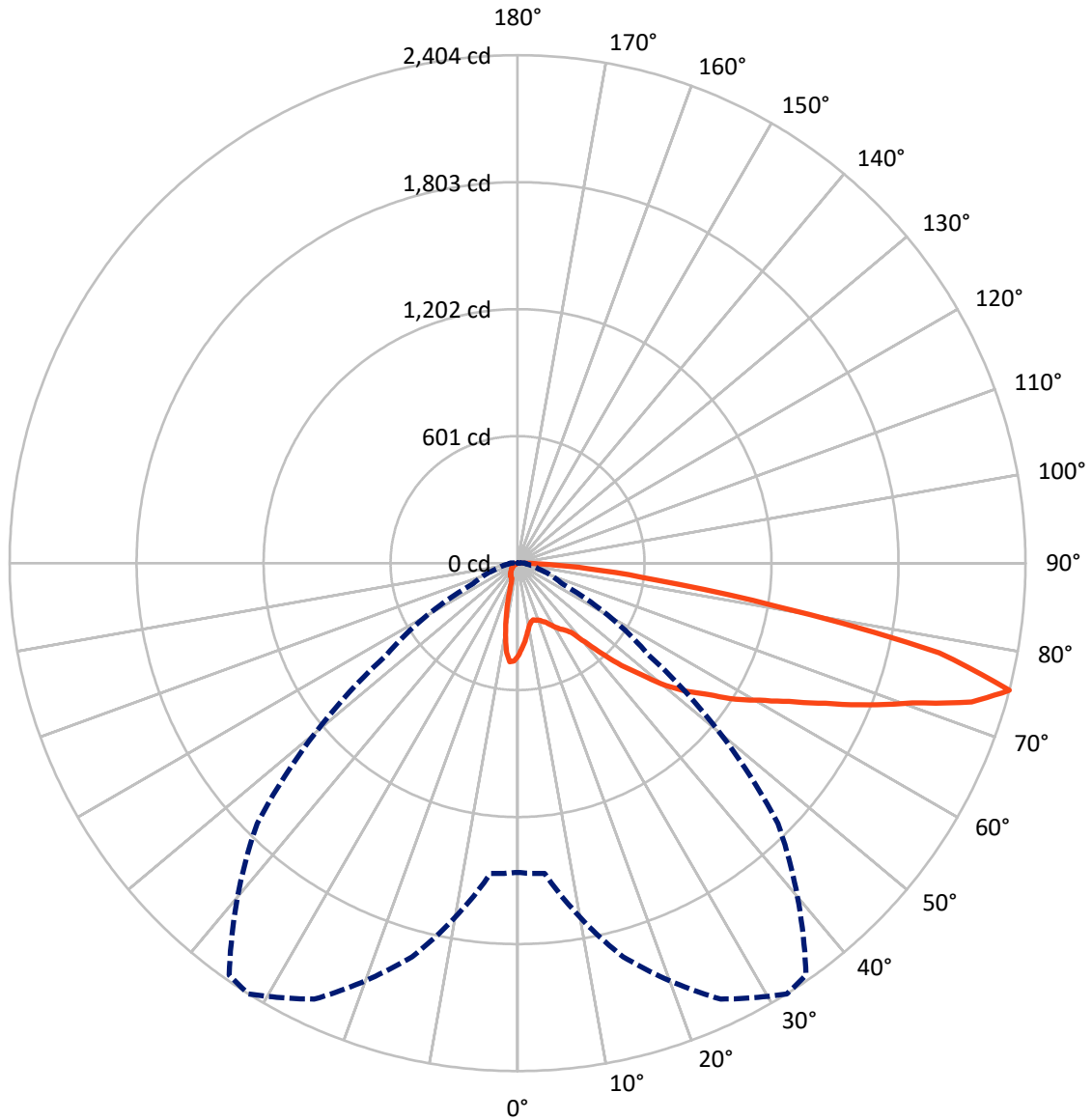
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 32-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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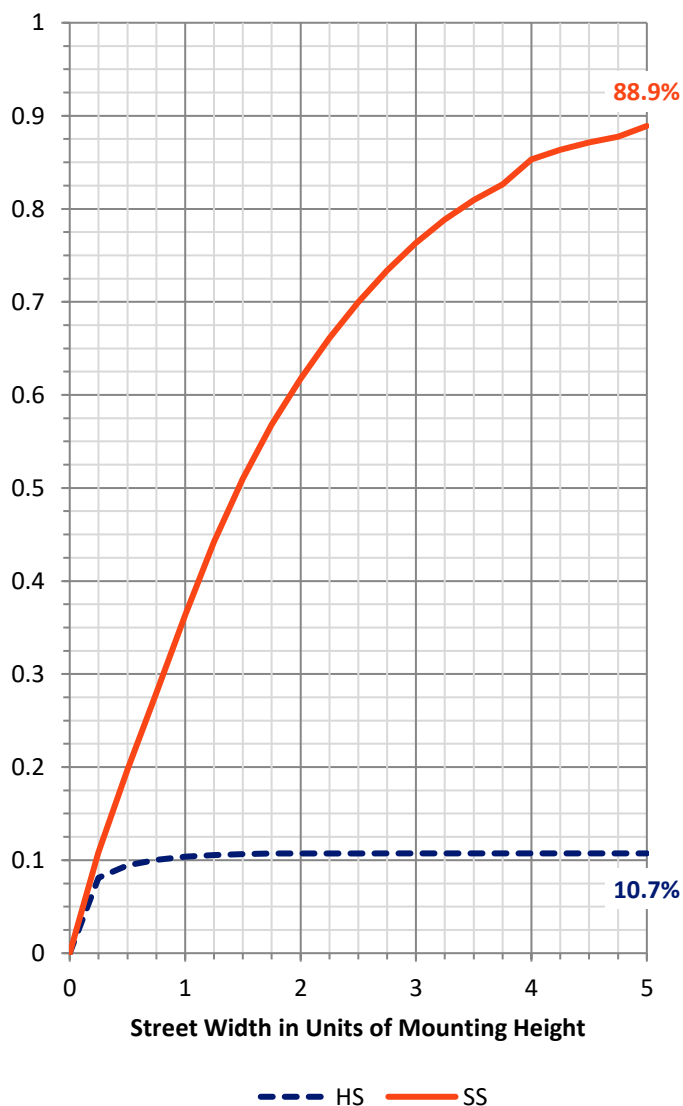
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	293.3	0.0	293.3
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	2421.7	0.0	2421.7
	% Fixture	89.2	0.0	89.2
Total	Lumens	2715.0	0.0	2715.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.5	1.4
10°-20°	87.5	3.2
20°-30°	131.0	4.8
30°-40°	201.0	7.4
40°-50°	351.5	12.9
50°-60°	549.5	20.2
60°-70°	710.4	26.2
70°-80°	578.6	21.3
80°-90°	67.0	2.5
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°	2715.0	100.0
0°-180°	2715.0	100.0



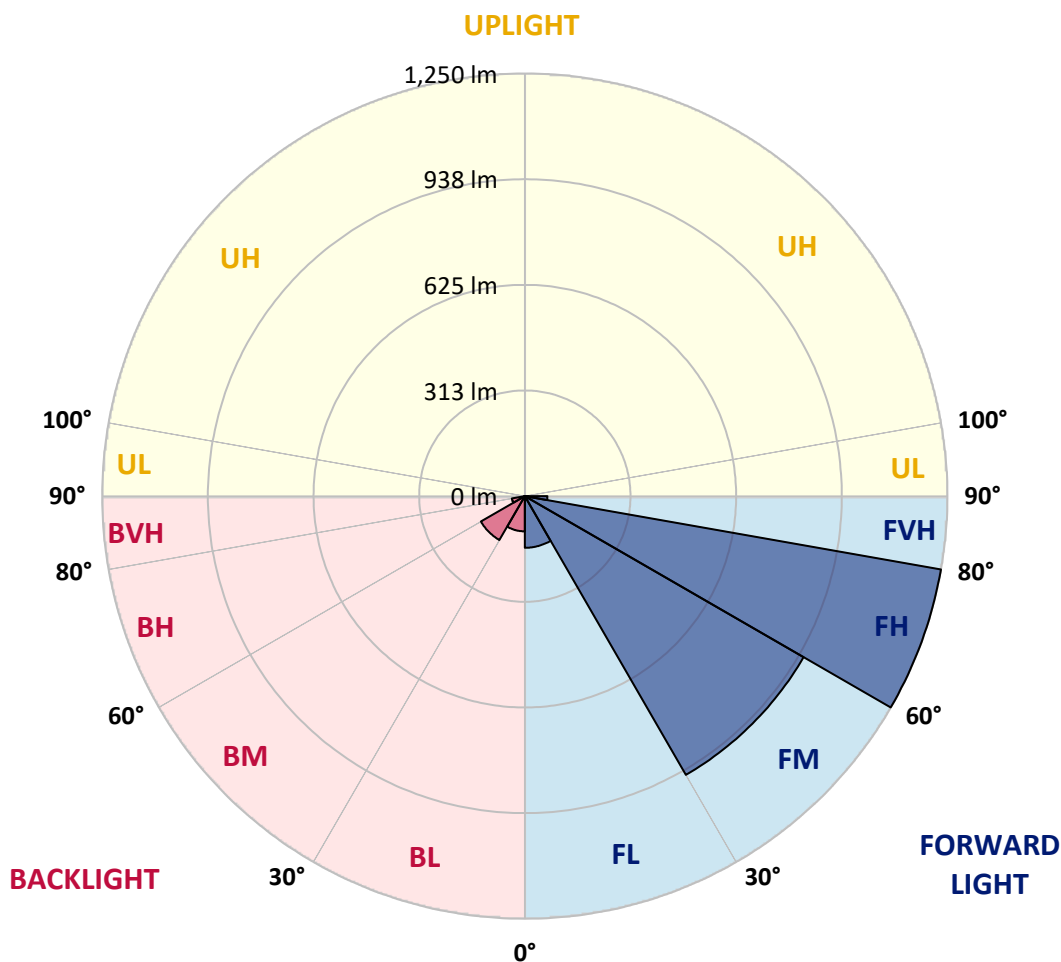
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	152.8	5.6			
FM (30°-60°)	952.0	35.1			
FH (60°-80°)	1250.0	46.0			G1/1800
FVH (80°-90°)	66.9	2.5			G1/100
BL (0°-30°)	104.2	3.8	B0/110		
BM (30°-60°)	150.1	5.5	B0/220		
BH (60°-80°)	39.0	1.4	B0/110		G0/110
BVH (80°-90°)	0.1	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	32°	35°	45°	55°	65°	75°	85°
0°	438.4	438.4	438.4	438.4	438.4	438.4	438.4	438.4	438.4	438.4	438.4
2.5°	393.2	398.7	398.0	401.5	402.2	404.3	409.2	409.2	423.1	432.8	439.1
5°	357.7	354.2	355.6	359.8	370.2	369.5	381.3	387.6	404.3	418.2	432.8
7.5°	313.8	313.1	315.9	325.7	333.3	339.6	352.1	368.1	390.4	411.3	437.0
10°	286.0	284.6	290.2	293.0	302.0	306.2	325.7	350.7	377.2	407.1	437.0
12.5°	279.7	274.9	277.6	277.0	285.3	287.4	306.2	336.8	368.8	405.7	442.6
15°	283.2	279.7	277.0	277.0	279.0	280.4	300.6	327.8	363.9	407.8	455.1
17.5°	294.3	292.3	283.9	275.6	284.6	284.6	297.1	325.7	364.6	414.0	470.4
20°	307.6	305.5	290.9	281.1	287.4	294.3	307.6	330.5	366.7	418.9	494.1
22.5°	322.2	322.2	302.0	290.9	299.2	299.9	323.6	345.8	375.1	431.4	509.4
25°	340.3	338.9	319.4	306.9	309.7	317.3	338.9	362.5	390.4	448.8	537.9
27.5°	363.9	361.8	338.9	326.4	329.8	338.2	362.5	386.2	404.3	455.8	562.3
30°	383.4	381.3	362.5	343.8	351.4	359.1	387.6	408.5	421.7	469.0	590.1
32.5°	387.6	384.1	371.6	363.2	371.6	386.2	408.5	430.0	450.2	502.4	643.0
35°	435.6	423.1	390.4	377.2	389.7	394.6	431.4	469.7	489.2	528.9	702.1
37.5°	527.5	515.6	472.5	435.6	418.2	423.8	471.8	519.1	537.9	578.3	766.8
40°	640.2	620.7	574.8	525.4	489.9	482.9	514.2	583.8	601.9	640.2	851.7
42.5°	768.9	750.1	679.2	620.7	584.5	575.5	580.3	659.0	674.3	697.3	907.4
45°	861.5	851.7	771.7	719.5	691.0	681.2	669.4	741.1	760.6	768.2	988.1
47.5°	915.1	908.1	863.6	828.1	789.8	779.4	787.0	855.2	842.0	848.3	1065.4
50°	986.7	968.6	908.1	919.2	911.6	908.8	922.0	951.9	932.5	914.4	1149.6
52.5°	1044.5	1012.5	970.0	997.2	1009.0	1019.4	1066.1	1088.3	1001.3	973.5	1203.8
55°	1080.0	1049.4	1060.5	1085.5	1098.1	1146.1	1201.1	1184.4	1046.6	1020.8	1276.2
57.5°	1112.0	1114.1	1144.0	1151.7	1215.7	1224.0	1329.8	1275.5	1078.6	1064.0	1304.7
60°	1189.2	1181.6	1205.9	1255.3	1316.6	1363.2	1464.1	1336.8	1094.6	1086.2	1297.1
62.5°	1328.4	1281.1	1289.4	1352.1	1441.8	1492.6	1541.3	1364.6	1090.4	1089.7	1274.1
65°	1505.2	1450.9	1425.8	1484.3	1600.5	1672.2	1628.3	1395.9	1062.6	1082.1	1188.5
67.5°	1652.0	1652.7	1606.1	1638.8	1790.5	1805.8	1710.4	1389.6	1016.0	1021.5	979.8
70°	1821.1	1844.0	1803.0	1905.3	1981.1	1990.9	1804.4	1338.1	915.8	770.3	563.0
72.5°	1864.2	1876.0	2004.1	2161.3	2246.9	2249.7	1896.9	1166.3	602.6	340.3	174.7
75°	1464.1	1475.2	1928.9	2276.9	2404.2	2379.9	1742.4	757.1	234.5	99.5	41.8
77.5°	816.9	820.4	1197.6	1840.6	2039.6	1941.5	1220.5	295.0	94.6	57.1	19.5
80°	223.4	262.3	444.0	907.4	1245.6	1222.6	581.0	96.0	61.2	44.5	9.0
82.5°	53.6	57.8	142.7	401.5	658.3	686.8	173.3	48.7	42.4	36.9	4.9
85°	19.5	21.6	43.8	195.5	338.2	310.4	52.2	24.4	31.3	28.5	2.1
87.5°	7.0	7.0	13.9	64.0	98.8	74.5	17.4	8.4	16.0	17.4	0.7
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°	438.4	438.4	438.4	438.4	438.4	438.4	438.4	438.4	438.4	438.4	438.4
2.5°	439.8	439.8	449.5	457.9	460.7	464.1	460.7	468.3	467.6	464.1	465.5
5°	440.5	453.0	461.4	466.9	469.7	469.0	470.4	462.1	457.2	453.7	450.2
7.5°	444.0	455.8	471.1	469.7	462.1	446.0	433.5	411.3	389.7	389.0	385.5
10°	455.8	466.2	475.3	469.7	441.9	393.2	353.5	323.6	296.4	283.9	285.3
12.5°	464.1	483.6	479.4	450.9	393.2	329.1	270.7	226.9	202.5	179.5	179.5
15°	481.5	488.5	487.1	423.8	333.3	256.8	185.8	141.3	115.5	105.1	103.7
17.5°	498.2	505.9	482.2	382.7	274.2	172.6	112.7	87.7	84.2	82.8	83.5
20°	519.1	519.8	478.1	341.7	206.0	109.3	80.7	78.6	79.3	78.6	78.6
22.5°	541.4	546.3	463.4	283.9	137.1	79.3	75.2	75.8	75.8	75.8	77.9
25°	570.6	563.0	440.5	228.9	89.8	73.1	73.1	73.8	73.8	73.8	74.5
27.5°	590.1	579.7	411.3	164.9	70.3	68.9	70.3	70.3	71.7	71.7	71.7
30°	630.5	603.3	374.4	106.5	63.3	65.4	66.8	68.2	68.9	70.3	71.0
32.5°	661.8	624.2	328.4	71.0	57.8	59.1	62.6	65.4	68.2	67.5	67.5
35°	718.8	658.3	286.0	56.4	52.9	52.9	56.4	61.2	65.4	66.8	66.8
37.5°	784.2	686.1	226.9	51.5	48.7	48.7	50.8	56.4	61.9	64.7	63.3
40°	838.5	718.1	167.7	48.0	45.2	45.2	46.6	50.8	57.1	61.9	62.6
42.5°	876.8	741.8	113.4	44.5	42.4	41.8	43.8	45.9	50.8	57.8	59.1
45°	911.6	754.3	70.3	41.1	39.7	39.7	39.7	41.8	45.2	51.5	52.9
47.5°	973.5	768.2	50.8	38.3	36.2	36.9	37.6	38.3	41.1	42.4	43.1
50°	1025.7	778.7	41.8	35.5	34.1	34.8	34.8	34.8	36.2	34.1	34.1
52.5°	1065.4	768.2	35.5	32.7	31.3	32.0	31.3	31.3	29.9	27.1	27.1
55°	1094.6	749.4	28.5	29.9	29.9	29.9	28.5	26.4	23.7	21.6	21.6
57.5°	1102.2	717.4	22.3	25.1	27.1	27.1	24.4	21.6	18.1	16.0	15.3
60°	1090.4	647.8	16.7	18.1	20.9	21.6	19.5	16.0	12.5	10.4	10.4
62.5°	1048.0	592.9	13.2	11.8	15.3	16.0	13.9	10.4	7.0	4.9	4.2
65°	967.2	508.0	9.7	8.4	10.4	11.1	9.0	4.9	2.1	0.7	0.0
67.5°	775.9	382.7	6.3	5.6	7.0	7.0	4.2	1.4	0.0	0.0	0.0
70°	429.3	215.0	4.2	2.8	3.5	2.1	0.7	0.0	0.0	0.0	0.0
72.5°	123.9	61.2	2.1	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0
75°	33.4	14.6	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	14.6	5.6	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	6.3	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	3.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.7	0.0	0.0	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)