

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: P672188

Luminaire Tested: **CCP-SA-1B-850-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672188
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-850-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T2R distribution lens
Light Source: (16) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

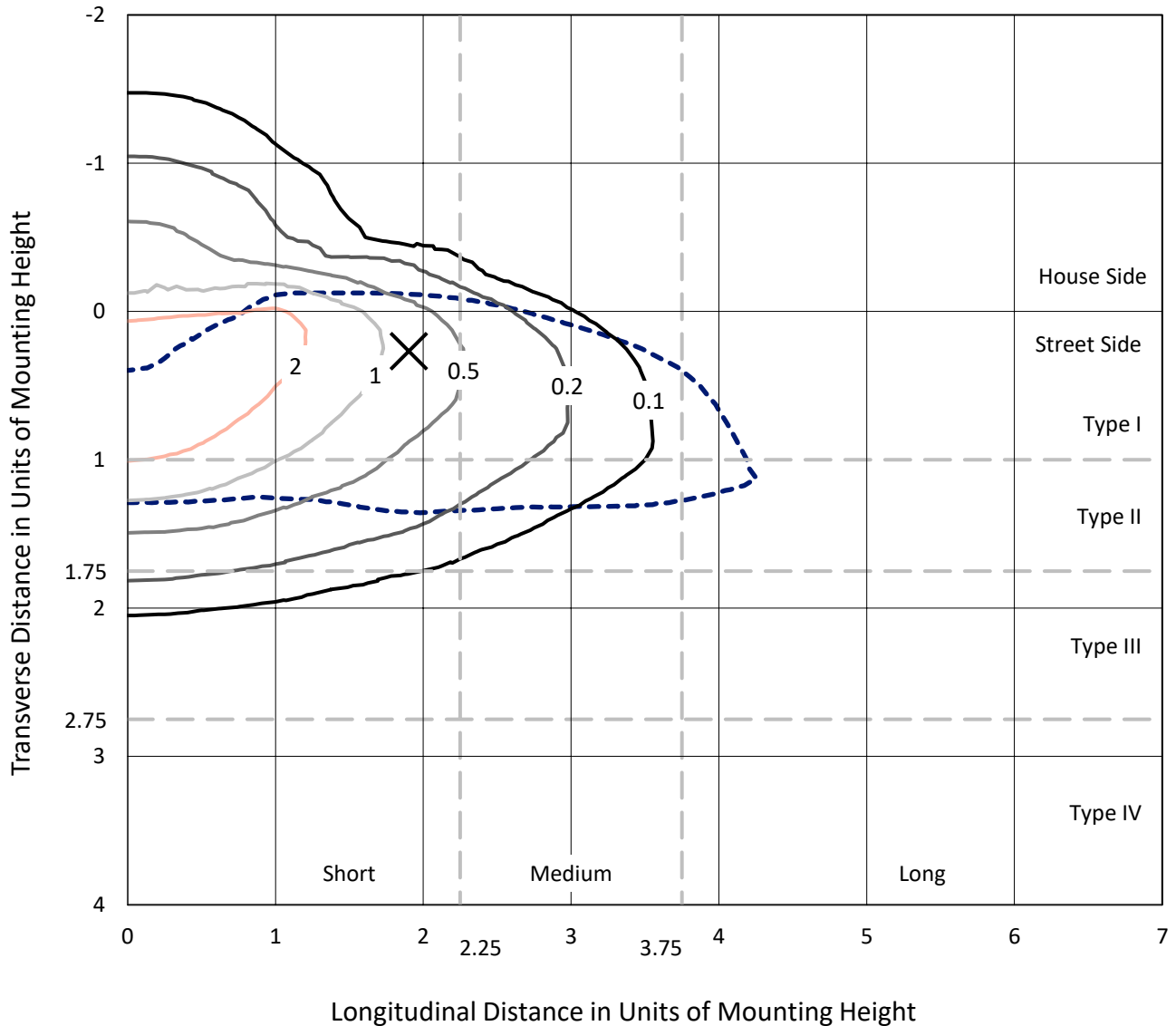
Lumens per Lamp: N/A
Luminaire Lumens: 3061.1 lumens
Efficiency: N/A
Efficacy: 127.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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

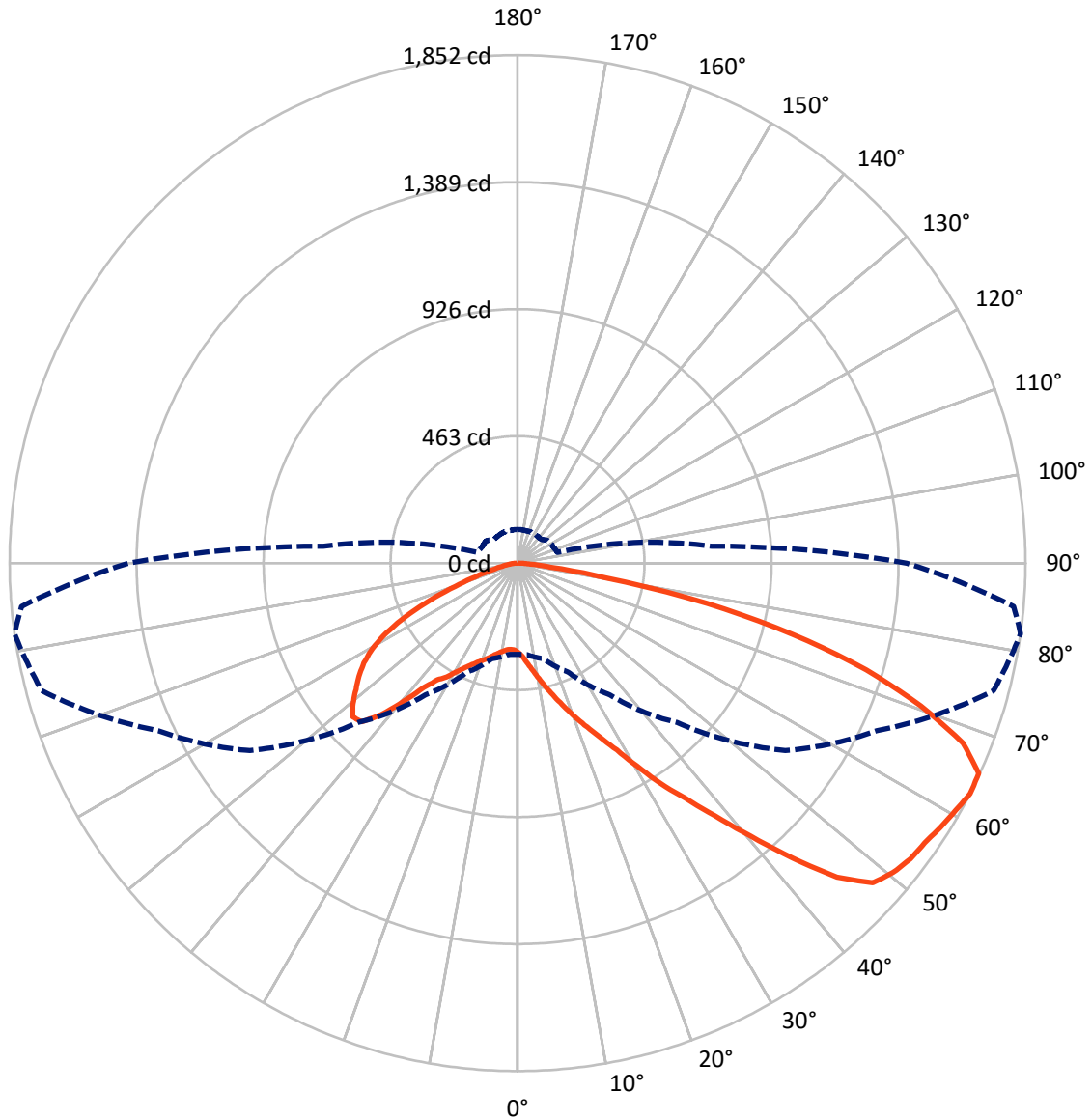
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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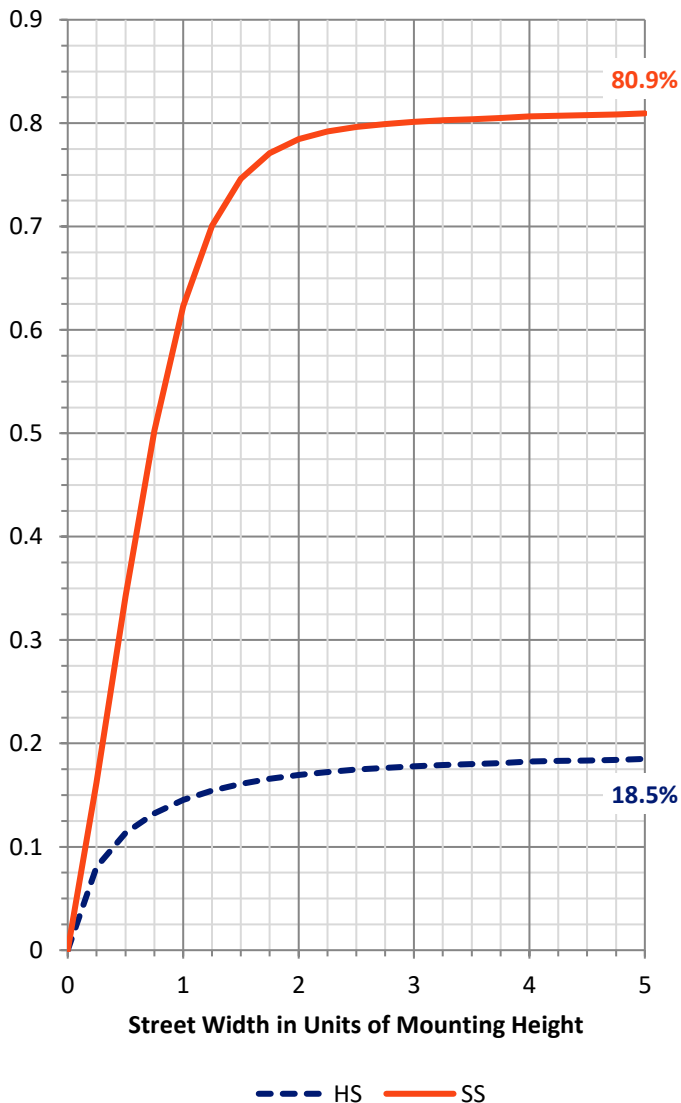
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	576.7	0.0	576.7
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	2484.4	0.0	2484.4
	% Fixture	81.2	0.0	81.2
Total	Lumens	3061.1	0.0	3061.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.0	1.2
10°-20°	135.9	4.4
20°-30°	281.4	9.2
30°-40°	477.6	15.6
40°-50°	650.3	21.2
50°-60°	658.3	21.5
60°-70°	518.8	16.9
70°-80°	255.6	8.3
80°-90°	47.3	1.5
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°	3061.1	100.0
0°-180°	3061.1	100.0



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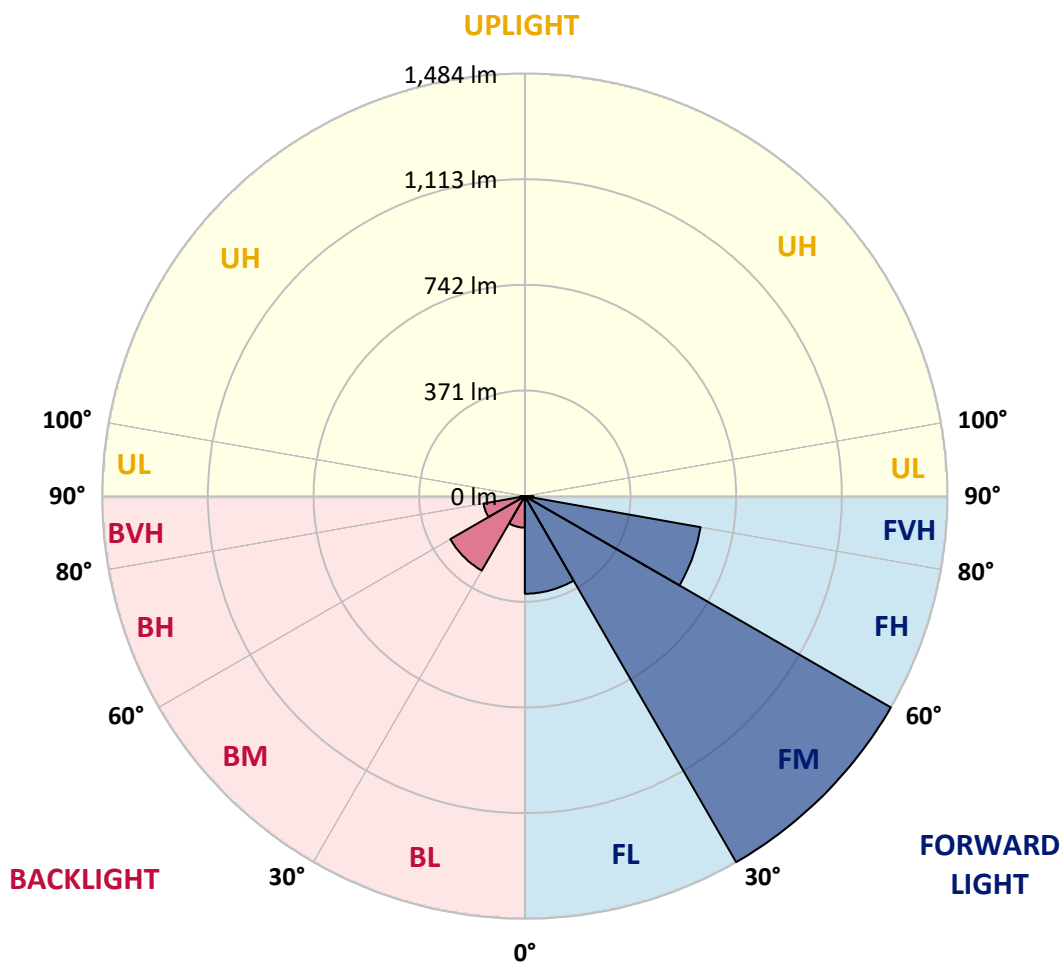
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	342.6	11.2			
FM (30°-60°)	1484.1	48.5			
FH (60°-80°)	627.0	20.5			G0/660
FVH (80°-90°)	30.7	1.0			G1/100
BL (0°-30°)	110.7	3.6	B1/500		
BM (30°-60°)	302.1	9.9	B1/1000		
BH (60°-80°)	147.4	4.8	B1/500		G1/500
BVH (80°-90°)	16.6	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	325.5	325.5	325.5	325.5	325.5	325.5	325.5	325.5	325.5	325.5	325.5
2.5°	433.5	426.9	423.4	419.4	408.4	401.3	388.1	372.7	354.8	339.6	336.8
5°	525.0	518.4	519.3	509.6	493.5	478.5	453.8	424.7	390.8	364.8	355.7
7.5°	589.6	582.3	584.1	580.1	567.1	550.6	519.3	481.8	432.2	393.6	379.1
10°	632.8	633.6	635.0	633.4	625.1	613.4	582.3	540.9	479.1	427.8	408.0
12.5°	681.7	684.1	683.7	684.3	679.9	670.7	640.3	601.2	529.2	464.6	438.8
15°	744.1	741.6	743.6	746.5	741.6	731.5	704.6	658.3	581.6	505.6	473.6
17.5°	812.4	807.3	812.6	809.7	806.2	799.6	770.1	720.7	635.9	549.9	512.4
20°	871.5	868.2	871.0	871.5	872.1	870.8	840.4	787.9	692.7	598.2	554.3
22.5°	937.8	936.3	935.8	936.0	936.7	938.2	917.5	861.5	755.7	648.9	599.5
25°	1030.6	1029.0	1018.9	1007.7	1001.1	1005.9	995.1	945.1	825.4	705.7	649.1
27.5°	1134.6	1132.2	1118.7	1090.3	1069.2	1072.7	1071.6	1037.2	905.6	771.0	708.6
30°	1242.6	1236.7	1218.1	1178.3	1145.0	1138.8	1141.9	1130.4	1006.6	857.6	791.5
32.5°	1338.9	1327.9	1303.4	1263.1	1223.4	1205.6	1206.0	1211.1	1116.3	958.5	878.3
35°	1397.8	1390.5	1372.2	1331.4	1287.1	1275.2	1271.9	1297.3	1217.0	1052.0	956.1
37.5°	1429.5	1422.5	1402.8	1370.0	1336.5	1331.6	1337.8	1377.1	1331.4	1168.6	1061.9
40°	1423.8	1416.3	1403.5	1380.6	1358.5	1362.3	1389.6	1450.2	1456.4	1308.1	1212.6
42.5°	1376.6	1368.7	1367.6	1366.0	1355.7	1372.2	1421.6	1503.8	1571.2	1469.2	1395.1
45°	1293.3	1288.5	1294.2	1320.6	1333.6	1365.6	1436.6	1529.8	1672.2	1632.9	1567.7
47.5°	1187.7	1184.9	1197.9	1239.7	1281.8	1345.3	1446.5	1536.8	1741.6	1741.6	1680.8
50°	1069.6	1068.5	1085.7	1146.5	1212.4	1308.1	1445.4	1543.5	1772.0	1773.5	1720.7
52.5°	904.7	910.5	956.3	1036.5	1126.0	1249.7	1429.9	1562.0	1789.2	1792.7	1747.3
55°	714.8	720.3	789.5	897.5	1012.1	1178.7	1383.9	1556.5	1792.5	1800.4	1762.5
57.5°	570.6	571.7	614.9	743.2	885.1	1087.9	1330.8	1519.9	1782.8	1817.4	1785.9
60°	446.5	450.1	478.9	580.5	737.9	970.9	1271.5	1483.7	1788.3	1833.5	1807.0
62.5°	332.6	333.5	360.4	439.0	586.3	821.6	1191.0	1445.2	1796.0	1851.6	1815.6
65°	216.7	216.4	242.4	313.4	437.9	660.5	1064.7	1384.8	1796.7	1847.6	1776.2
67.5°	137.7	138.6	149.9	194.6	293.1	498.5	892.8	1272.6	1765.4	1751.5	1632.5
70°	111.7	112.0	115.5	127.2	178.5	340.7	671.1	1097.1	1666.4	1560.0	1418.9
72.5°	99.6	99.8	101.6	102.9	119.0	204.8	440.4	890.9	1490.6	1329.7	1177.1
75°	89.5	89.5	90.6	89.3	97.6	128.5	249.9	669.8	1227.6	1035.4	889.3
77.5°	78.5	78.2	78.2	77.6	84.4	93.9	125.2	467.5	884.2	706.2	576.8
80°	66.6	66.1	66.8	66.3	73.0	71.2	73.0	288.5	479.4	323.8	245.5
82.5°	51.8	51.8	53.8	54.2	60.2	51.6	51.4	136.9	182.0	121.0	90.6
85°	27.1	30.4	41.0	42.8	45.4	32.4	37.7	63.9	73.0	46.3	33.1
87.5°	8.2	8.6	25.1	28.2	28.0	16.3	23.1	30.9	34.2	20.5	13.4
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°	325.5	325.5	325.5	325.5	325.5	325.5	325.5	325.5	325.5	325.5	325.5
2.5°	329.5	321.8	305.5	290.9	279.9	269.3	262.1	258.3	253.5	254.1	252.6
5°	339.6	323.8	294.9	271.5	255.9	244.0	236.7	233.0	229.4	227.7	229.0
7.5°	354.8	330.2	289.8	261.6	245.3	235.2	231.2	230.1	229.2	228.6	229.7
10°	374.5	341.4	288.9	258.1	243.1	236.9	235.4	234.7	233.8	233.0	233.6
12.5°	394.5	353.7	292.0	259.0	246.6	242.0	240.0	239.1	236.9	235.8	236.0
15°	419.6	368.7	296.2	262.5	251.3	245.3	242.7	240.2	236.7	235.2	235.8
17.5°	446.5	386.6	301.9	265.8	253.0	245.7	240.5	236.9	233.4	231.2	231.4
20°	476.9	404.2	307.0	266.9	252.1	242.0	235.6	231.4	226.8	224.4	223.7
22.5°	508.5	422.7	311.0	266.0	247.3	235.6	228.3	223.3	217.8	214.0	214.2
25°	546.8	447.9	314.3	262.9	240.9	227.2	219.1	212.7	207.0	203.4	203.6
27.5°	592.9	476.3	318.3	258.1	233.2	218.2	208.7	202.3	196.8	193.5	193.1
30°	654.4	513.3	322.7	252.1	223.5	208.3	199.0	192.4	187.1	184.0	184.0
32.5°	723.6	558.5	325.7	245.1	212.7	197.7	189.3	184.0	180.1	175.9	175.4
35°	783.7	593.5	335.2	239.6	203.2	187.8	182.0	178.3	172.4	168.4	167.7
37.5°	872.1	655.2	363.2	238.0	191.7	180.1	179.0	171.9	165.1	157.6	156.9
40°	1014.5	762.1	395.8	230.5	179.8	175.9	174.8	165.3	149.2	144.6	143.7
42.5°	1195.7	890.9	399.4	208.7	171.5	172.4	169.0	150.5	143.5	140.0	139.1
45°	1359.2	995.3	379.3	186.5	165.3	167.1	160.2	145.0	141.1	137.7	136.9
47.5°	1451.1	1027.5	341.4	169.7	160.7	162.4	146.1	142.4	138.4	135.1	134.2
50°	1476.9	999.5	297.3	160.0	157.1	157.8	142.4	140.2	136.6	134.0	132.7
52.5°	1482.0	957.6	256.5	154.3	154.5	148.5	139.1	137.3	135.1	130.9	129.4
55°	1484.2	919.9	220.0	150.8	152.7	136.6	135.5	134.2	132.5	128.1	127.2
57.5°	1489.9	871.7	191.3	148.1	150.5	131.1	131.6	130.7	128.5	126.5	126.1
60°	1473.6	804.9	169.3	145.5	147.4	126.5	126.9	127.4	125.4	125.0	124.7
62.5°	1418.9	710.1	150.5	141.9	141.1	121.9	121.9	123.6	121.9	122.5	122.5
65°	1306.3	589.3	133.8	135.3	131.1	116.8	116.6	119.7	117.0	119.9	120.1
67.5°	1114.3	446.1	116.6	125.0	120.8	111.5	112.4	114.8	111.3	117.3	117.3
70°	882.0	303.5	98.7	110.4	110.2	105.6	108.4	108.2	104.2	113.1	111.5
72.5°	657.0	194.8	80.4	92.6	96.3	99.2	104.5	99.8	96.1	101.2	96.5
75°	459.1	122.1	63.5	73.2	80.2	92.1	99.6	90.4	84.9	83.3	82.0
77.5°	274.8	78.0	50.0	55.8	62.6	83.8	93.4	80.4	72.1	71.2	68.5
80°	126.7	50.9	38.1	41.7	44.5	71.9	85.1	68.8	58.6	57.7	54.7
82.5°	57.3	33.5	28.4	29.8	30.0	57.1	71.9	54.4	44.7	72.5	62.8
85°	26.7	21.6	18.5	17.6	17.9	38.1	52.2	37.5	50.9	39.7	30.2
87.5°	11.5	11.0	9.5	7.5	6.8	8.2	20.1	15.6	22.3	8.8	6.0
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)