

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: P672044

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

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672044
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-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ AFL distribution lens
Light Source: (16) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

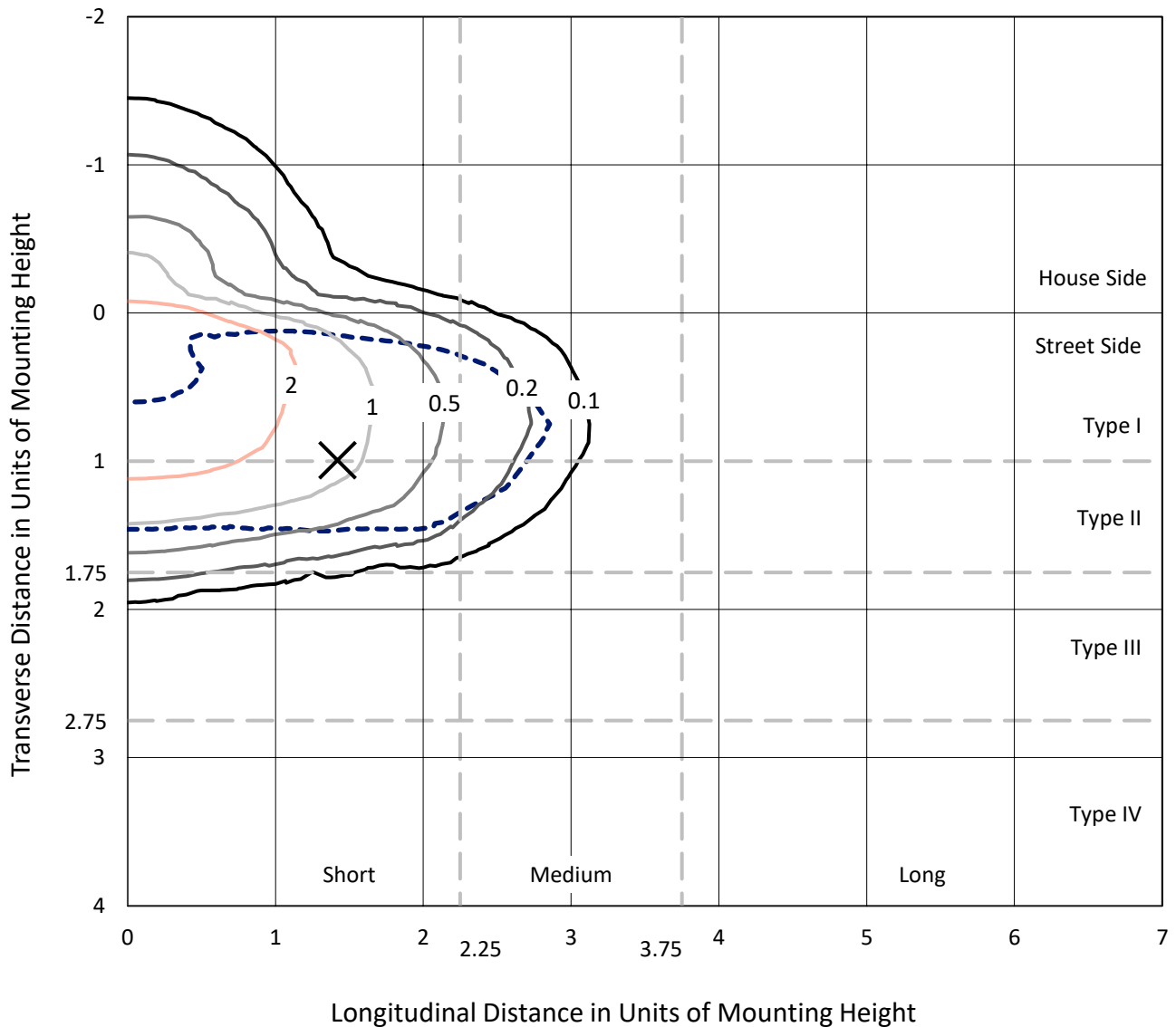
Lumens per Lamp: N/A
Luminaire Lumens: 3041.2 lumens
Efficiency: N/A
Efficacy: 126.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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

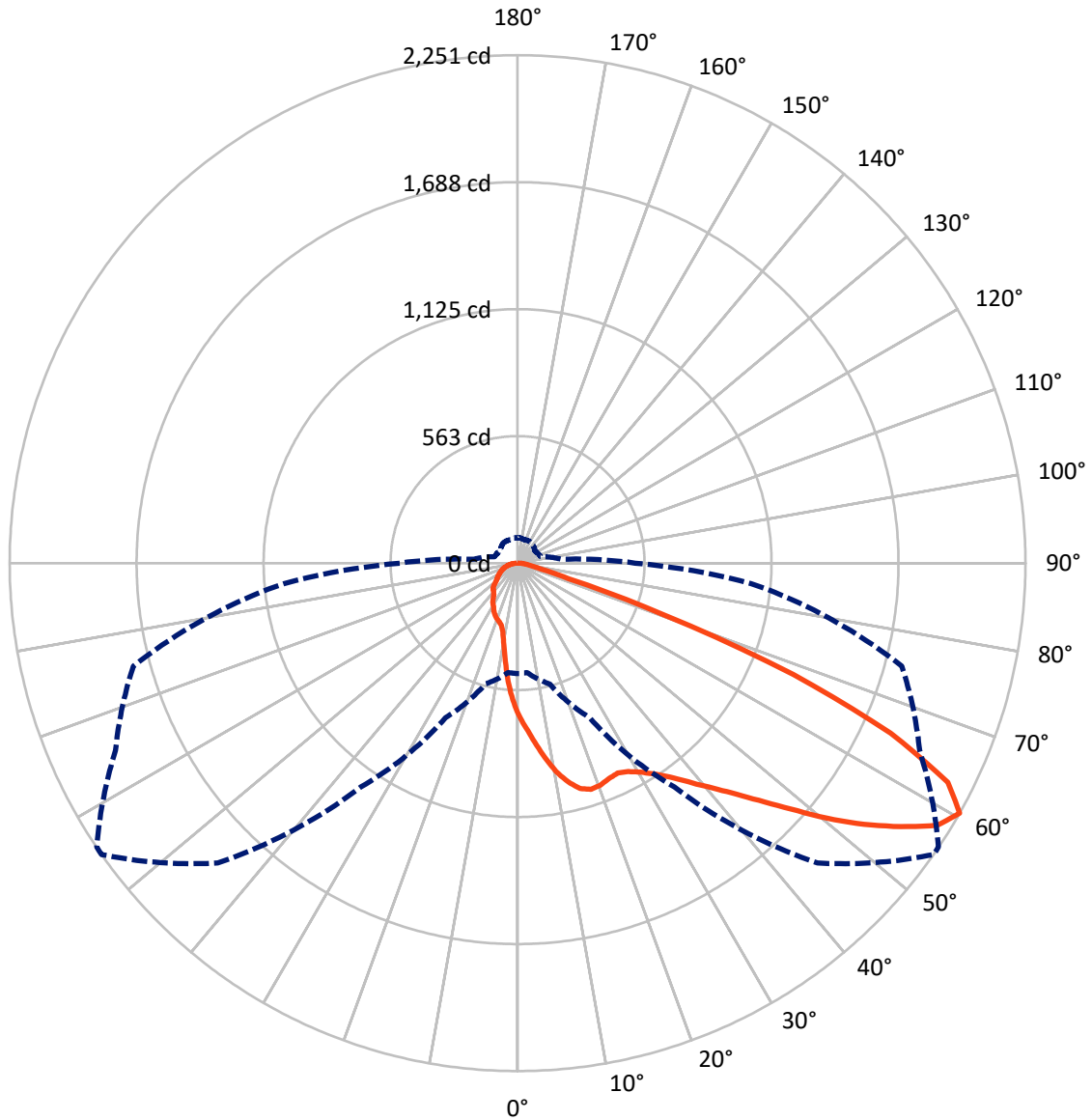
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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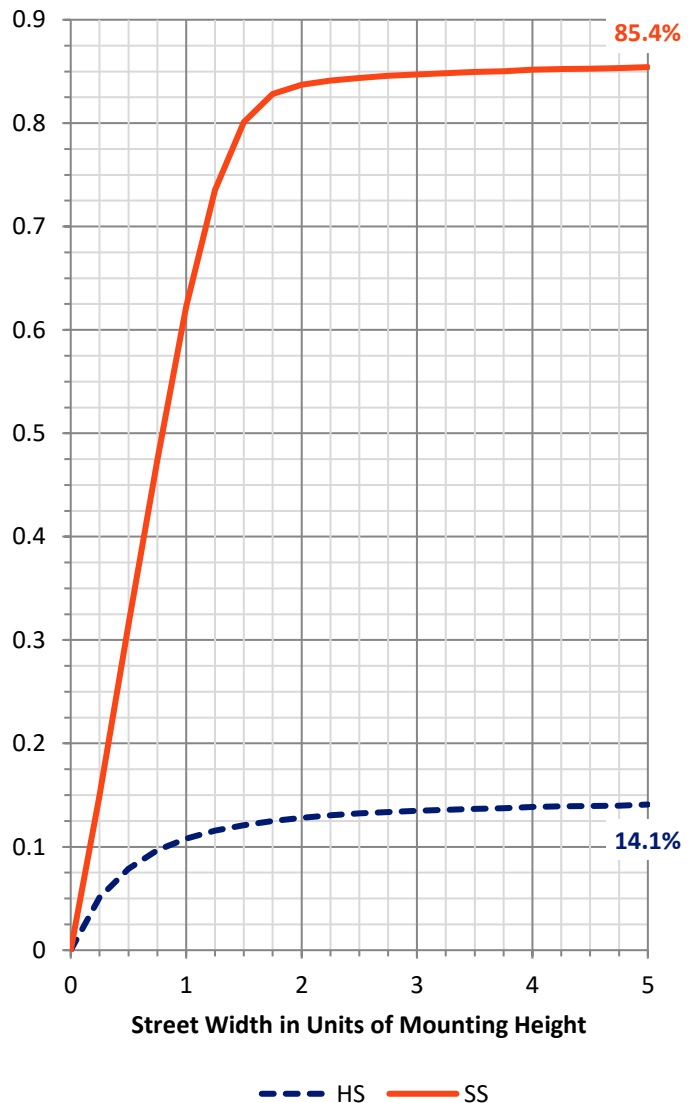
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	437.2	0.0	437.2
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	2604.0	0.0	2604.0
	% Fixture	85.6	0.0	85.6
Total	Lumens	3041.2	0.0	3041.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.1	2.1
10°-20°	178.8	5.9
20°-30°	291.2	9.6
30°-40°	435.2	14.3
40°-50°	639.6	21.0
50°-60°	749.6	24.6
60°-70°	494.3	16.3
70°-80°	157.4	5.2
80°-90°	32.0	1.1
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°	3041.2	100.0
0°-180°	3041.2	100.0



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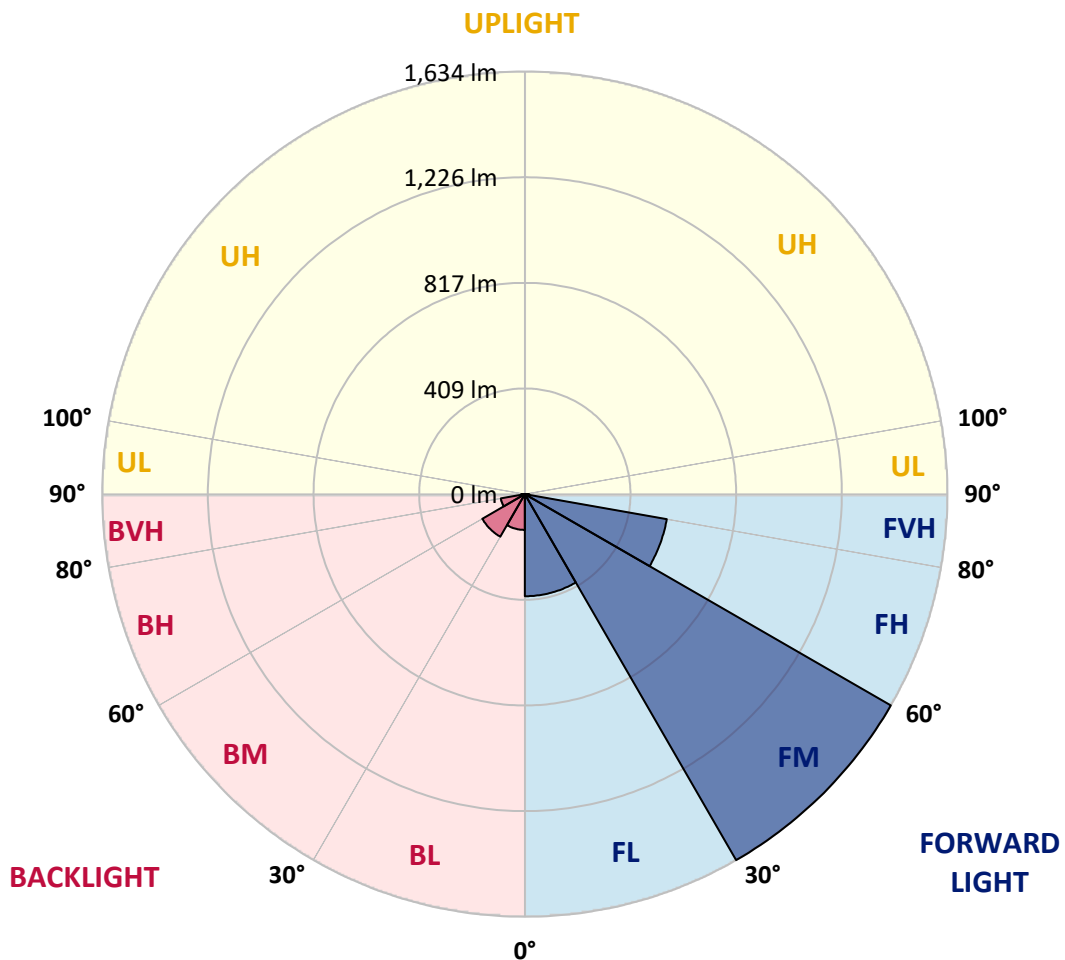
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	394.7	13.0			
FM (30°-60°)	1634.4	53.7			
FH (60°-80°)	557.3	18.3			G0/660
FVH (80°-90°)	17.6	0.6			G1/100
BL (0°-30°)	138.4	4.6	B1/500		
BM (30°-60°)	190.0	6.2	B0/220		
BH (60°-80°)	94.3	3.1	B0/110		G0/110
BVH (80°-90°)	14.5	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	674.5	674.5	674.5	674.5	674.5	674.5	674.5	674.5	674.5	674.5	674.5
2.5°	784.9	782.0	782.0	774.8	764.0	749.0	731.1	726.7	719.9	702.5	680.0
5°	904.6	901.5	897.3	884.5	864.5	834.5	796.8	790.0	765.5	729.6	689.0
7.5°	983.7	981.9	980.6	969.6	949.8	920.2	869.8	862.0	820.6	761.1	697.6
10°	975.6	980.8	990.1	997.8	1001.8	986.6	939.2	930.1	878.8	797.7	710.4
12.5°	899.1	906.6	923.8	955.3	991.6	1021.0	994.1	989.0	940.9	836.5	726.5
15°	842.2	845.3	853.7	877.0	931.3	1009.5	1036.6	1032.0	998.9	886.3	745.0
17.5°	824.6	825.9	827.9	835.6	872.6	964.8	1054.0	1058.4	1055.1	938.1	765.9
20°	833.4	834.3	834.5	835.8	853.4	927.3	1049.4	1056.9	1104.5	989.9	786.7
22.5°	867.3	866.2	864.7	859.6	869.5	920.7	1037.0	1049.0	1142.6	1037.0	805.8
25°	926.6	925.1	914.3	903.7	907.9	944.5	1030.4	1043.2	1172.4	1081.6	819.9
27.5°	997.2	995.6	984.6	964.5	960.1	984.2	1045.9	1053.8	1194.2	1121.0	826.1
30°	1070.3	1070.3	1056.7	1033.5	1019.4	1029.6	1074.3	1080.7	1210.7	1159.2	830.1
32.5°	1150.1	1152.3	1131.2	1104.7	1089.1	1083.1	1114.2	1119.7	1234.8	1204.1	838.5
35°	1252.6	1247.8	1222.0	1187.2	1162.0	1148.6	1163.6	1170.0	1270.0	1260.1	851.9
37.5°	1367.9	1359.3	1327.6	1285.9	1242.0	1219.6	1229.5	1231.0	1322.3	1333.1	876.4
40°	1463.1	1461.6	1434.7	1395.2	1339.9	1309.7	1304.9	1305.7	1394.8	1419.5	913.4
42.5°	1543.3	1537.6	1532.8	1518.9	1460.2	1410.7	1390.8	1391.0	1473.5	1508.7	950.6
45°	1578.8	1577.7	1592.1	1627.8	1585.7	1527.3	1499.0	1503.0	1563.6	1600.4	986.6
47.5°	1563.6	1564.5	1602.9	1696.5	1721.4	1676.7	1626.7	1624.2	1650.9	1670.7	1018.3
50°	1427.8	1442.2	1546.0	1702.9	1810.5	1832.7	1776.3	1767.3	1727.4	1726.7	1037.7
52.5°	1325.4	1324.7	1388.4	1637.9	1842.0	1973.6	1922.9	1902.6	1790.6	1758.2	1039.3
55°	1186.9	1186.1	1233.4	1447.7	1779.4	2071.9	2061.1	2035.7	1848.6	1768.6	1028.7
57.5°	898.9	915.6	962.8	1158.9	1581.0	2056.2	2193.1	2172.0	1905.3	1764.0	1026.7
60°	489.1	487.1	555.4	755.4	1210.5	1878.6	2250.7	2249.5	1965.4	1762.2	1038.8
62.5°	225.5	223.3	236.9	336.4	694.1	1505.0	2139.6	2155.4	2021.2	1746.1	1037.7
65°	168.6	162.9	144.4	156.5	265.6	898.4	1817.3	1859.6	1935.2	1680.0	989.7
67.5°	150.3	144.8	123.2	115.5	133.4	317.0	1318.3	1357.3	1618.3	1556.1	911.9
70°	137.8	132.9	111.3	99.2	100.1	140.4	690.1	766.8	1186.1	1298.7	777.2
72.5°	125.6	121.4	101.8	87.3	84.2	92.8	235.2	283.7	737.7	946.5	579.5
75°	112.9	108.9	91.7	78.2	72.3	68.8	112.0	120.6	390.1	522.6	311.0
77.5°	98.1	95.9	81.8	69.0	63.9	52.0	74.5	78.2	167.1	205.2	148.1
80°	85.3	83.5	73.0	62.6	57.3	40.1	51.4	54.0	82.4	102.5	82.9
82.5°	55.5	60.0	60.4	53.8	50.5	32.2	33.9	35.9	54.7	60.4	36.1
85°	22.9	27.8	41.7	37.0	35.0	27.3	22.5	22.9	33.5	35.3	13.0
87.5°	10.4	11.5	20.5	20.7	18.1	10.4	11.2	12.3	17.2	17.0	5.7
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°	674.5	674.5	674.5	674.5	674.5	674.5	674.5	674.5	674.5	674.5	674.5
2.5°	673.8	663.7	645.6	622.5	605.9	593.8	580.6	570.9	560.1	550.6	552.1
5°	672.3	652.6	612.1	569.1	527.2	492.8	464.2	443.0	421.2	412.6	411.5
7.5°	673.6	640.3	573.7	503.4	439.7	395.9	362.6	342.5	330.0	322.7	323.1
10°	673.1	628.6	532.3	435.3	365.7	325.6	305.3	298.7	297.6	298.4	299.8
12.5°	673.8	612.8	485.8	374.0	312.5	292.0	292.9	298.9	302.6	305.1	306.6
15°	676.7	599.7	438.2	325.8	284.8	285.4	294.9	304.2	309.7	312.3	313.6
17.5°	680.9	583.4	395.9	289.2	273.1	283.2	295.6	305.5	309.7	311.2	312.3
20°	681.3	564.7	353.1	264.1	265.4	278.6	289.4	297.3	302.6	304.4	305.3
22.5°	679.3	539.4	309.2	245.8	256.6	269.8	279.0	288.1	281.0	275.3	273.8
25°	670.9	507.4	271.8	230.8	245.5	257.9	268.5	258.5	255.2	250.8	251.3
27.5°	652.9	467.5	236.5	216.7	232.5	250.2	242.5	241.1	236.9	232.5	232.5
30°	629.1	425.4	207.0	201.9	216.9	225.7	227.5	225.5	223.1	217.3	217.8
32.5°	607.7	380.9	186.0	189.6	207.0	207.0	214.7	214.7	205.9	189.8	189.8
35°	586.5	339.0	170.6	179.2	190.7	194.4	205.0	191.1	178.5	171.3	170.8
37.5°	570.0	303.3	160.5	170.4	174.8	184.3	184.5	174.3	170.2	163.5	162.9
40°	560.3	273.3	154.3	166.0	166.4	175.2	160.7	163.5	162.7	157.6	156.9
42.5°	555.0	250.2	149.7	162.2	160.0	151.4	148.8	153.6	155.2	152.5	151.4
45°	550.8	232.1	145.9	149.2	155.0	139.3	138.2	141.9	145.3	145.0	144.2
47.5°	548.6	219.5	142.6	141.1	142.2	132.0	129.8	131.6	135.8	138.4	138.2
50°	540.0	209.8	137.8	132.7	125.6	125.6	124.5	124.5	129.6	134.9	135.3
52.5°	524.8	198.4	130.7	124.8	116.6	120.1	120.6	119.7	125.0	130.7	131.1
55°	508.1	189.8	121.2	117.5	109.1	115.1	117.0	116.2	119.7	123.7	123.4
57.5°	508.3	189.6	113.1	110.2	102.1	108.7	113.5	113.7	113.5	116.4	116.4
60°	521.1	194.0	106.7	100.5	93.9	101.8	109.8	109.8	108.2	112.4	112.9
62.5°	524.8	193.5	102.7	91.3	86.6	95.7	104.3	105.6	104.5	110.4	111.1
65°	491.7	183.2	98.7	82.9	80.0	88.8	97.4	101.2	100.1	107.8	108.7
67.5°	445.9	169.7	92.6	75.4	73.2	82.2	90.4	94.3	94.1	104.3	104.7
70°	384.4	153.2	84.9	67.7	66.6	74.5	81.8	86.0	87.9	99.6	99.4
72.5°	297.8	131.4	73.2	59.5	59.3	66.6	73.0	77.6	81.3	92.6	92.6
75°	192.0	103.4	59.7	51.6	50.7	57.5	64.1	69.4	80.9	98.7	98.5
77.5°	117.3	78.9	48.1	43.0	42.8	48.9	55.5	64.6	88.4	87.9	85.5
80°	70.3	56.6	38.4	34.4	34.4	40.1	47.4	69.2	73.4	83.8	79.1
82.5°	36.6	34.8	28.7	25.3	26.4	31.5	43.2	55.3	60.0	50.9	46.7
85°	15.0	18.5	17.6	16.1	16.8	21.8	41.7	44.3	35.5	37.3	37.5
87.5°	5.1	8.2	8.2	6.4	7.1	15.4	24.7	14.8	17.9	10.6	7.9
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)