

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: P676889

Luminaire Tested: **CCW-SA-2A-827-U-SL2-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676889
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2A-827-U-SL2-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @350mA w/
SL2 distribution lens and House Side Shield
Light Source: (32) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

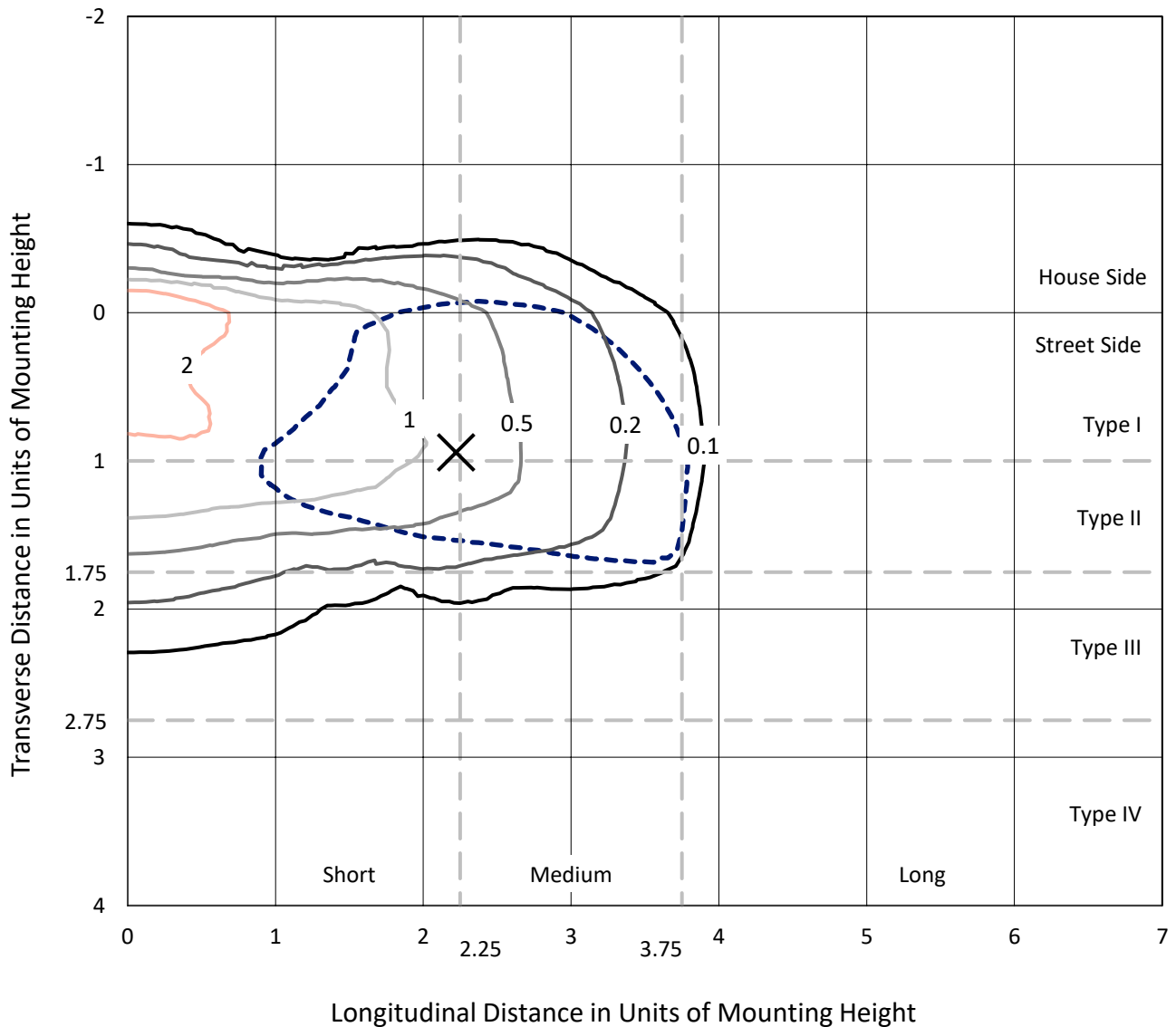
Lumens per Lamp: N/A
Luminaire Lumens: 3234.5 lumens
Efficiency: N/A
Efficacy: 89.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 36.2
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

REPORT NUMBER: P676889
 CATALOG NUMBER: CCW-SA-2A-827-U-SL2-HSS

Iso-Footcandle Lines of Horizontal Illumination

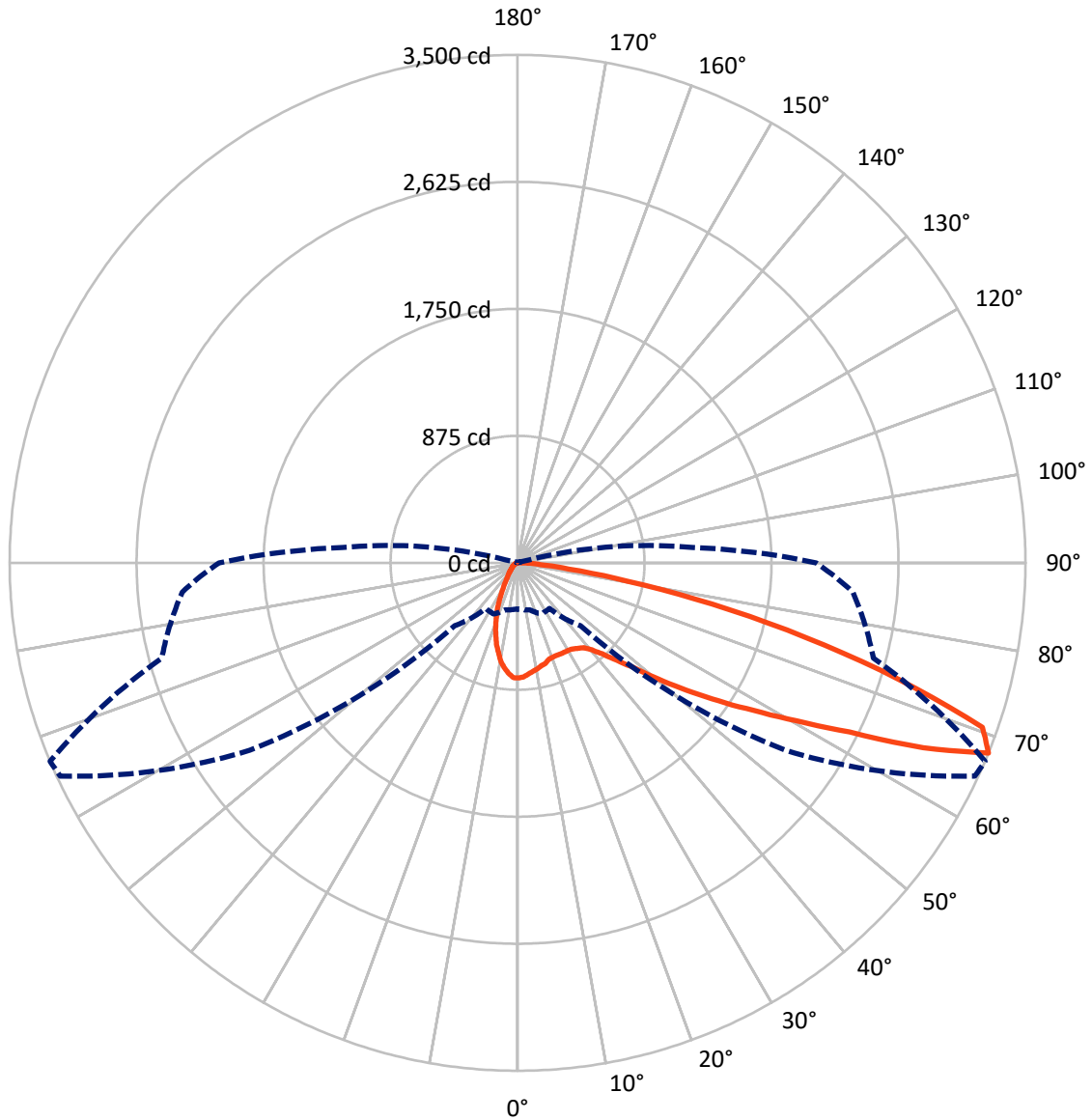
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.5 fc
 Type II - Short - N/A

REPORT NUMBER: P676889
CATALOG NUMBER: CCW-SA-2A-827-U-SL2-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P676889
 CATALOG NUMBER: CCW-SA-2A-827-U-SL2-HSS

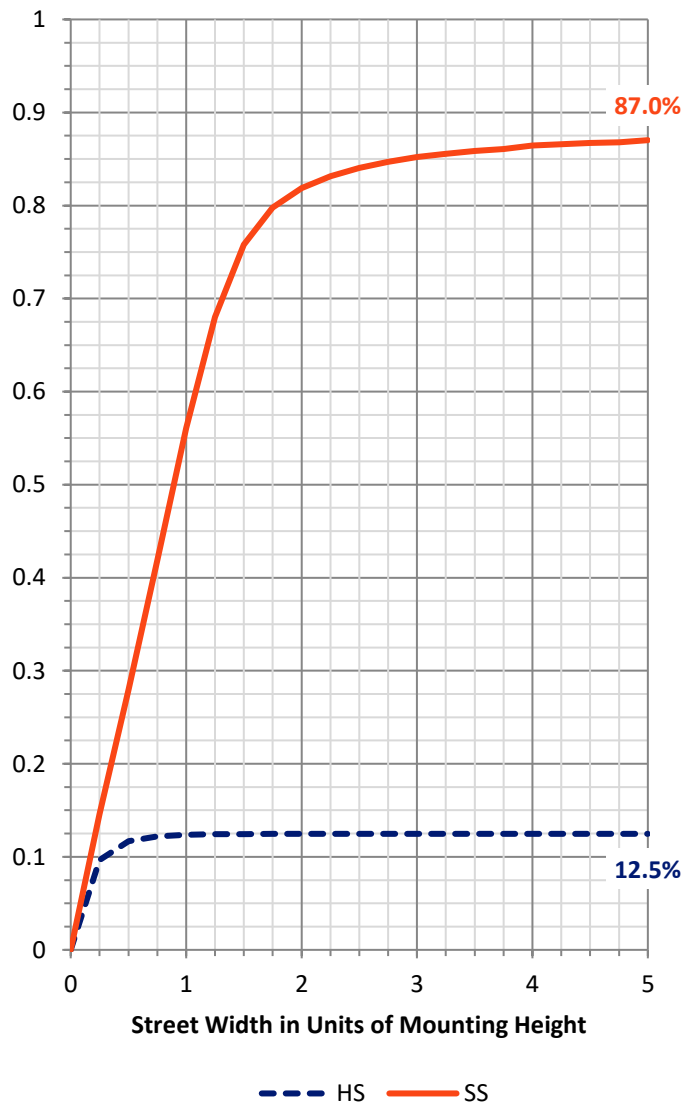
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	407.1	0.0	407.1
	% Fixture	12.6	0.0	12.6
Street Side	Lumens	2827.4	0.0	2827.4
	% Fixture	87.4	0.0	87.4
Total	Lumens	3234.5	0.0	3234.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.8	2.1
10°-20°	148.5	4.6
20°-30°	211.1	6.5
30°-40°	307.5	9.5
40°-50°	475.9	14.7
50°-60°	730.3	22.6
60°-70°	791.7	24.5
70°-80°	446.6	13.8
80°-90°	56.1	1.7
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°	3234.5	100.0
0°-180°	3234.5	100.0

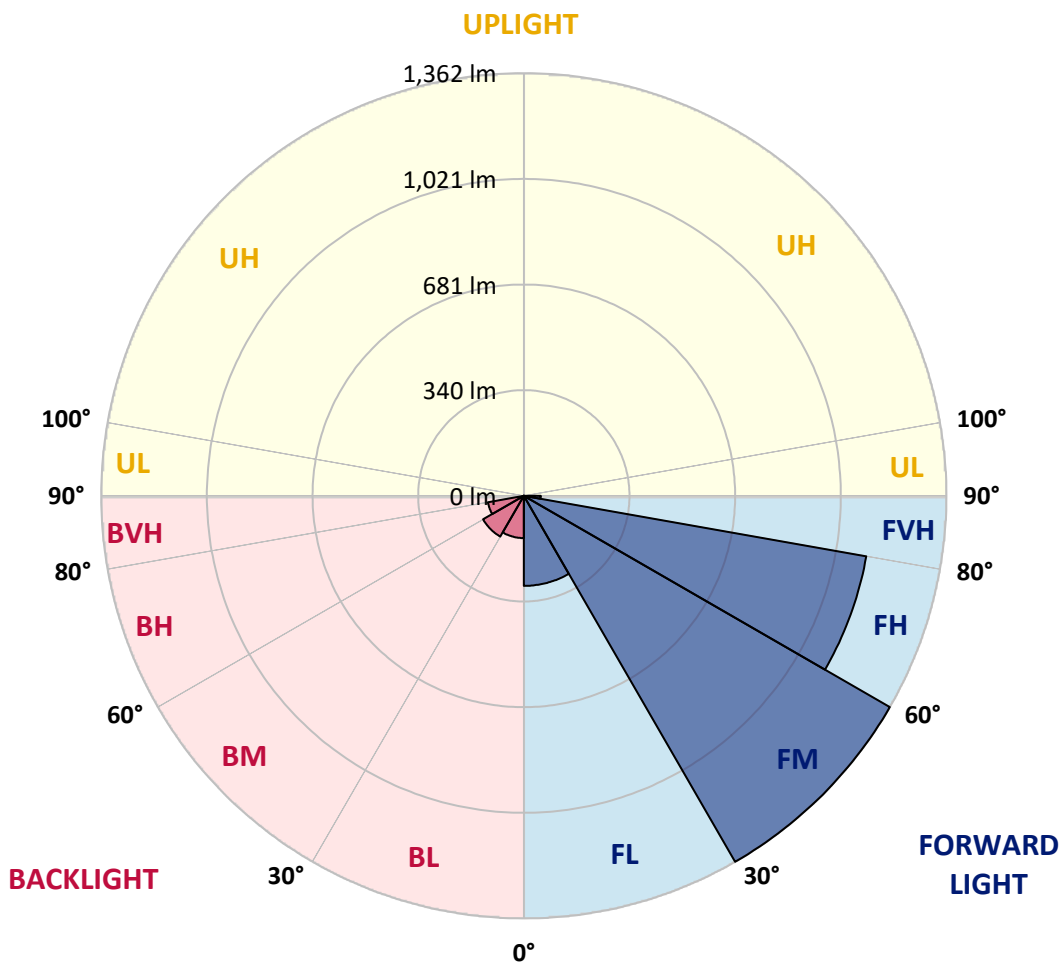


REPORT NUMBER: P676889
 CATALOG NUMBER: CCW-SA-2A-827-U-SL2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	290.2	9.0			
FM (30°-60°)	1362.0	42.1			
FH (60°-80°)	1120.7	34.6			G1/1800
FVH (80°-90°)	54.5	1.7			G1/100
BL (0°-30°)	136.3	4.2	B1/500		
BM (30°-60°)	151.6	4.7	B0/220		
BH (60°-80°)	117.6	3.6	B1/500		G1/500
BVH (80°-90°)	1.6	0.0			G0/10
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





REPORT NUMBER: P676889

CATALOG NUMBER: CCW-SA-2A-827-U-SL2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	793.4	793.4	793.4	793.4	793.4	793.4	793.4	793.4	793.4	793.4	793.4
2.5°	759.1	763.0	768.4	776.2	781.7	778.5	780.9	794.1	787.1	793.4	790.2
5°	717.0	720.9	728.7	727.9	734.1	745.8	761.4	778.5	770.8	789.5	796.5
7.5°	673.3	671.8	671.8	688.1	701.4	717.8	726.3	754.4	755.2	771.5	788.7
10°	633.6	638.3	646.1	652.3	664.8	688.1	713.1	734.9	743.5	776.2	780.9
12.5°	609.4	611.8	621.1	626.6	642.9	665.5	692.0	720.1	727.1	760.6	783.2
15°	599.3	604.8	607.9	618.0	626.6	647.6	667.1	699.1	719.3	745.8	773.9
17.5°	607.1	604.8	606.3	609.4	619.6	638.3	659.3	691.3	698.3	742.7	784.8
20°	617.2	618.0	613.3	611.8	609.4	627.4	644.5	685.8	693.6	742.7	791.8
22.5°	644.5	635.9	644.5	632.0	619.6	627.4	643.7	686.6	692.0	741.9	798.8
25°	678.0	679.6	681.9	655.4	637.5	632.0	649.2	688.9	693.6	748.2	801.9
27.5°	725.6	732.6	720.9	707.6	671.8	644.5	648.4	687.4	695.9	745.0	809.7
30°	789.5	784.0	785.6	755.2	720.1	677.2	666.3	691.3	697.5	748.9	824.5
32.5°	844.8	838.6	849.5	838.6	783.2	724.0	687.4	699.1	706.1	758.3	837.0
35°	879.1	886.9	904.0	915.7	869.0	784.8	722.4	720.1	723.2	763.0	846.4
37.5°	932.1	946.1	960.1	989.7	949.2	859.6	777.8	747.4	741.9	785.6	851.0
40°	989.7	985.9	1027.2	1062.2	1060.7	964.8	854.9	795.7	787.9	821.4	882.2
42.5°	1038.1	1034.2	1080.1	1137.8	1144.1	1066.1	943.0	864.3	857.3	876.7	920.4
45°	1101.2	1104.3	1158.9	1227.4	1250.0	1200.2	1062.2	962.5	958.6	952.3	992.9
47.5°	1157.3	1174.4	1221.2	1302.3	1384.1	1338.9	1202.5	1105.9	1078.6	1064.6	1105.1
50°	1196.3	1211.9	1268.7	1355.3	1504.9	1533.7	1359.9	1258.6	1259.4	1225.1	1246.9
52.5°	1196.3	1195.5	1241.5	1355.3	1589.1	1737.1	1570.3	1451.1	1457.3	1421.5	1423.1
55°	1080.9	1078.6	1134.7	1255.5	1579.7	1932.7	1889.1	1695.0	1679.5	1610.1	1617.1
57.5°	870.5	876.0	918.8	1063.8	1458.1	2023.9	2268.6	1969.4	1916.4	1773.0	1773.0
60°	635.2	630.5	662.4	763.7	1168.2	1989.6	2580.4	2292.8	2209.4	1907.8	1887.5
62.5°	483.2	482.4	491.0	525.3	741.1	1734.8	2714.4	2704.3	2568.7	2040.3	2011.4
65°	390.4	392.0	403.7	427.9	452.8	1183.0	2643.5	3195.2	3071.3	2237.5	2143.2
67.5°	318.7	322.6	336.7	388.9	383.4	612.6	2251.5	3476.6	3500.0	2538.3	2320.1
70°	245.5	251.7	268.1	342.1	369.4	407.6	1561.0	3336.3	3398.7	2725.3	2213.3
72.5°	166.8	166.0	201.1	277.4	373.3	373.3	869.0	2687.1	2746.4	2512.6	1922.6
75°	90.4	95.9	133.3	209.6	342.1	360.8	494.9	1966.2	2049.6	1953.8	1487.0
77.5°	49.1	49.9	74.0	137.2	284.5	344.5	330.4	1337.3	1370.1	1178.3	814.4
80°	25.7	26.5	39.0	89.6	196.4	319.5	275.1	797.3	766.1	452.0	268.9
82.5°	11.7	12.5	19.5	56.1	125.5	251.7	237.7	385.0	355.4	126.3	81.8
85°	4.7	4.7	8.6	33.5	73.3	123.9	203.4	193.3	161.3	38.2	40.5
87.5°	1.6	1.6	2.3	13.2	29.6	74.0	108.3	102.1	70.1	14.0	21.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P676889
 CATALOG NUMBER: CCW-SA-2A-827-U-SL2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	793.4	793.4	793.4	793.4	793.4	793.4	793.4	793.4	793.4	793.4	793.4
2.5°	787.1	795.7	793.4	791.8	777.0	775.4	773.9	759.8	764.5	752.8	760.6
5°	791.8	796.5	784.0	760.6	739.6	716.2	698.3	685.8	663.2	654.6	653.1
7.5°	787.1	787.1	761.4	724.0	682.7	644.5	596.2	561.9	536.2	516.7	523.7
10°	780.9	771.5	745.0	678.8	604.0	546.3	476.9	426.3	388.1	375.6	367.8
12.5°	780.9	764.5	705.3	614.9	518.3	431.0	348.4	282.1	245.5	223.7	220.6
15°	773.9	749.7	676.5	554.9	434.9	316.4	222.1	165.2	134.0	125.5	122.4
17.5°	775.4	746.6	633.6	484.0	337.4	210.4	135.6	104.4	96.6	92.7	93.5
20°	778.5	746.6	595.4	414.6	243.2	130.9	93.5	88.1	84.2	82.6	83.4
22.5°	788.7	731.8	556.4	343.7	164.4	94.3	82.6	77.2	74.0	71.7	70.9
25°	790.2	729.5	519.0	273.5	113.0	79.5	72.5	66.2	62.3	59.2	58.4
27.5°	787.9	719.3	466.8	203.4	84.9	70.9	61.6	55.3	49.9	47.5	46.8
30°	796.5	700.6	422.4	146.5	71.7	61.6	52.2	45.2	40.5	37.4	37.4
32.5°	797.3	684.3	373.3	104.4	65.5	54.6	44.4	36.6	32.0	30.4	30.4
35°	798.0	669.4	318.7	79.5	58.4	46.8	36.6	30.4	27.3	24.9	24.9
37.5°	800.4	658.5	268.9	67.0	52.2	39.7	30.4	24.9	21.8	21.0	21.0
40°	805.0	643.7	216.7	59.2	45.2	33.5	25.7	21.0	17.9	17.1	16.4
42.5°	817.5	639.8	173.0	53.0	40.5	28.1	21.0	17.1	14.8	13.2	12.5
45°	869.0	650.0	134.0	49.1	34.3	23.4	17.9	14.0	10.9	10.1	9.4
47.5°	953.1	683.5	106.0	43.6	28.8	19.5	14.8	10.9	8.6	7.8	7.0
50°	1080.9	759.8	86.5	39.0	24.2	16.4	11.7	8.6	6.2	5.5	5.5
52.5°	1248.5	862.7	74.8	34.3	19.5	14.0	9.4	6.2	4.7	3.9	3.9
55°	1419.9	984.3	70.1	29.6	16.4	11.7	7.0	4.7	3.1	2.3	2.3
57.5°	1577.4	1063.0	67.8	24.2	14.0	8.6	5.5	3.1	1.6	0.8	0.8
60°	1675.6	1120.7	60.8	19.5	10.9	7.0	3.9	1.6	0.8	0.0	0.0
62.5°	1804.9	1179.1	49.9	14.8	7.8	4.7	2.3	0.8	0.0	0.0	0.0
65°	1975.6	1244.6	39.0	11.7	6.2	3.1	1.6	0.8	0.0	0.0	0.0
67.5°	2057.4	1210.3	26.5	8.6	3.9	1.6	0.8	0.0	0.0	0.0	0.0
70°	1893.8	1019.4	18.7	6.2	2.3	0.8	0.8	0.0	0.0	0.0	0.0
72.5°	1592.2	798.8	14.0	3.9	1.6	0.8	0.0	0.0	0.0	0.0	0.0
75°	1173.7	499.5	10.9	3.1	1.6	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	622.7	186.3	7.8	2.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0
80°	183.9	54.6	5.5	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	60.8	16.4	3.1	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0
85°	31.2	6.2	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	17.9	2.3	1.6	1.6	0.8	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)