

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: P676453

Luminaire Tested: **CCW-SA-1C-827-U-T3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676453
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-827-U-T3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
T3 distribution lens and House Side Shield
Light Source: (16) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

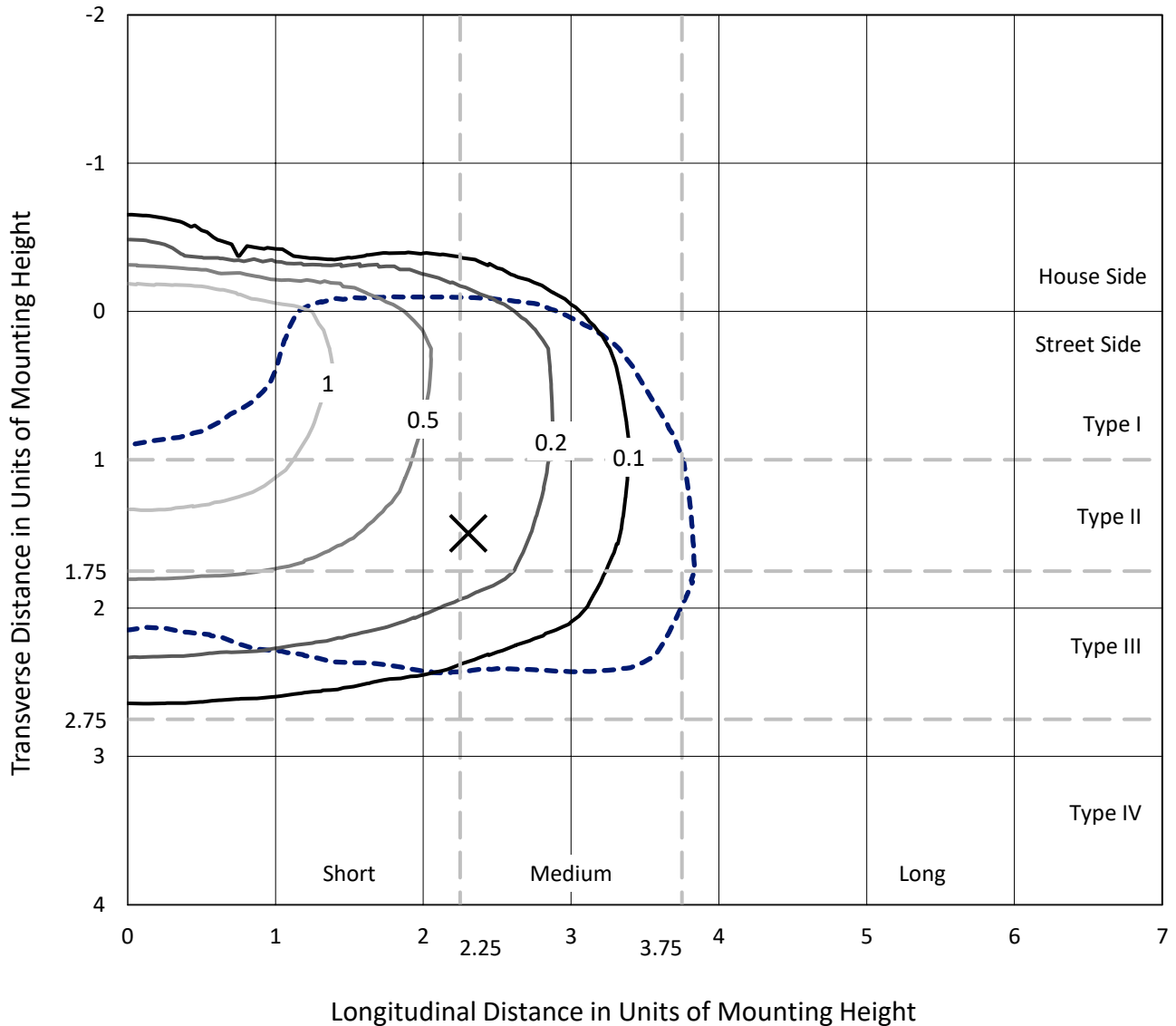
Lumens per Lamp: N/A
Luminaire Lumens: 2394.3 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 32
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

REPORT NUMBER: P676453
 CATALOG NUMBER: CCW-SA-1C-827-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

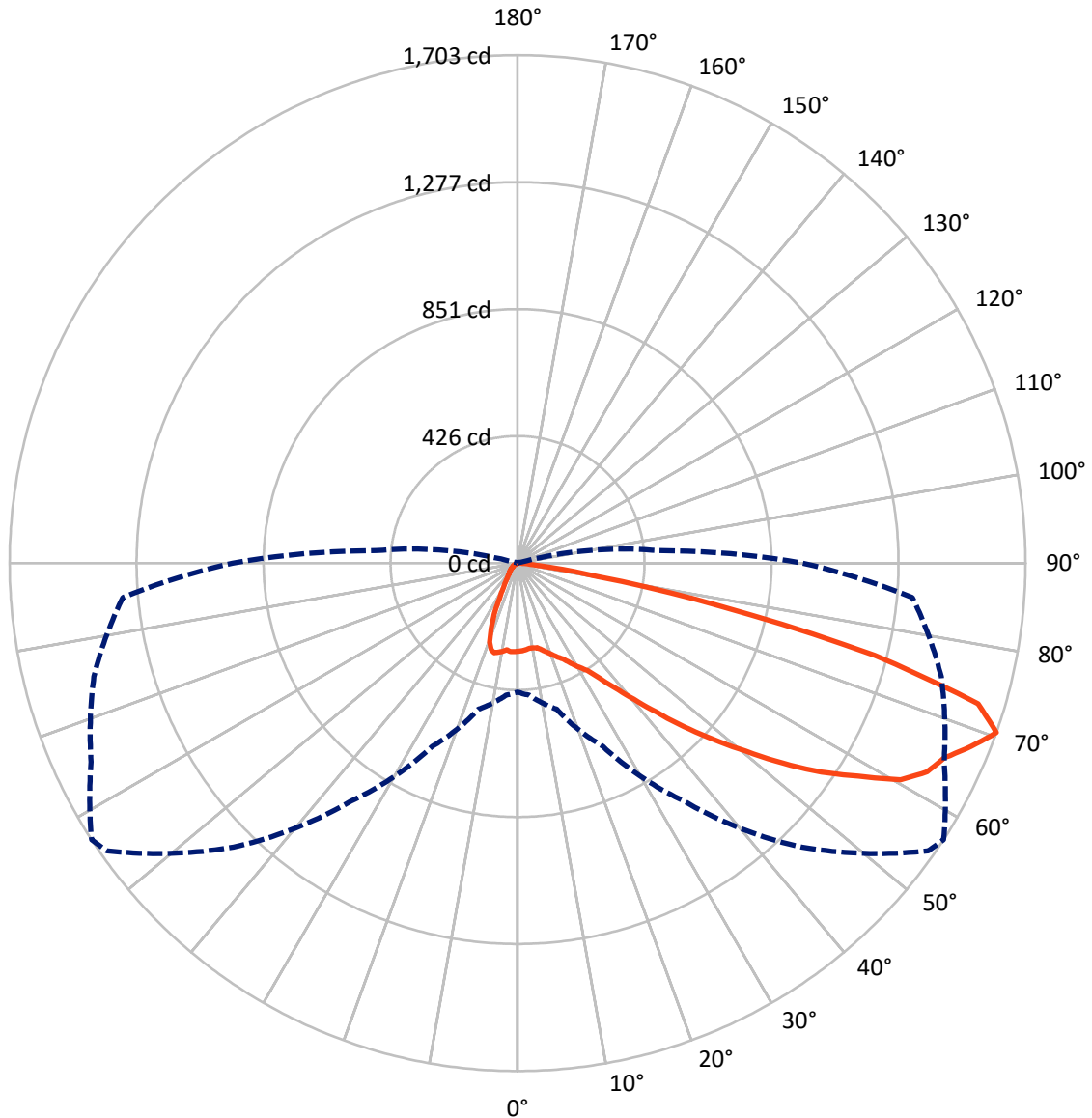
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.7 fc
 Type III - Medium - N/A

REPORT NUMBER: P676453
CATALOG NUMBER: CCW-SA-1C-827-U-T3-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P676453
 CATALOG NUMBER: CCW-SA-1C-827-U-T3-HSS

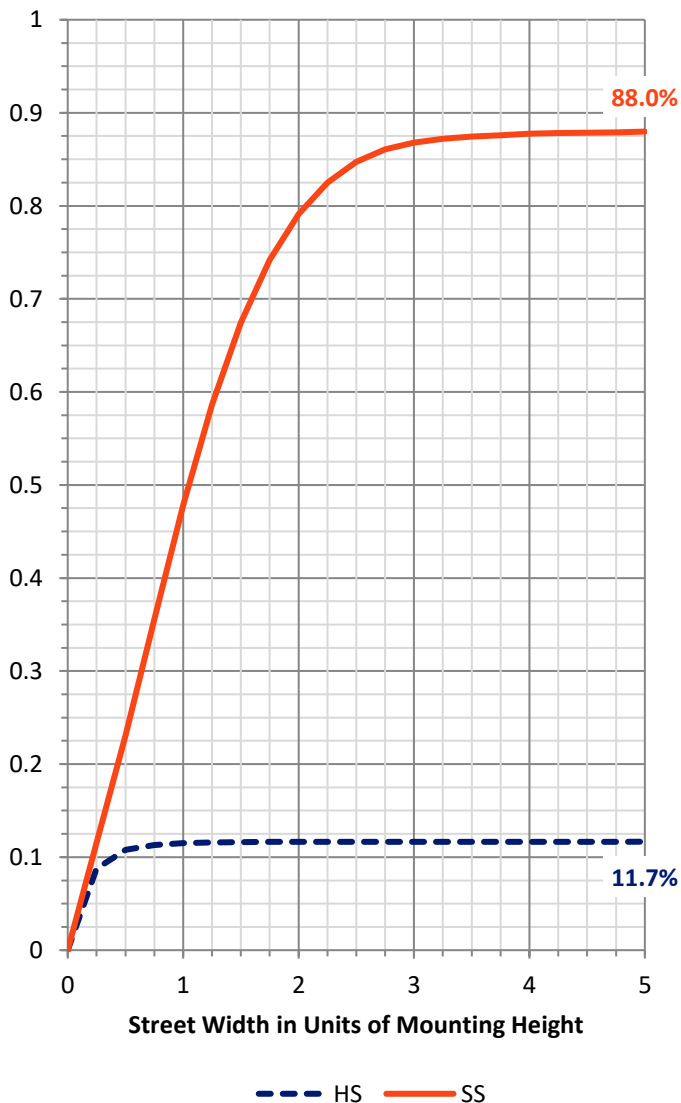
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	282.2	0.0	282.2
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	2112.1	0.0	2112.1
	% Fixture	88.2	0.0	88.2
Total	Lumens	2394.3	0.0	2394.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.6	1.2
10°-20°	77.2	3.2
20°-30°	130.0	5.4
30°-40°	222.5	9.3
40°-50°	373.6	15.6
50°-60°	573.5	24.0
60°-70°	662.2	27.7
70°-80°	312.8	13.1
80°-90°	14.8	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°	2394.3	100.0
0°-180°	2394.3	100.0

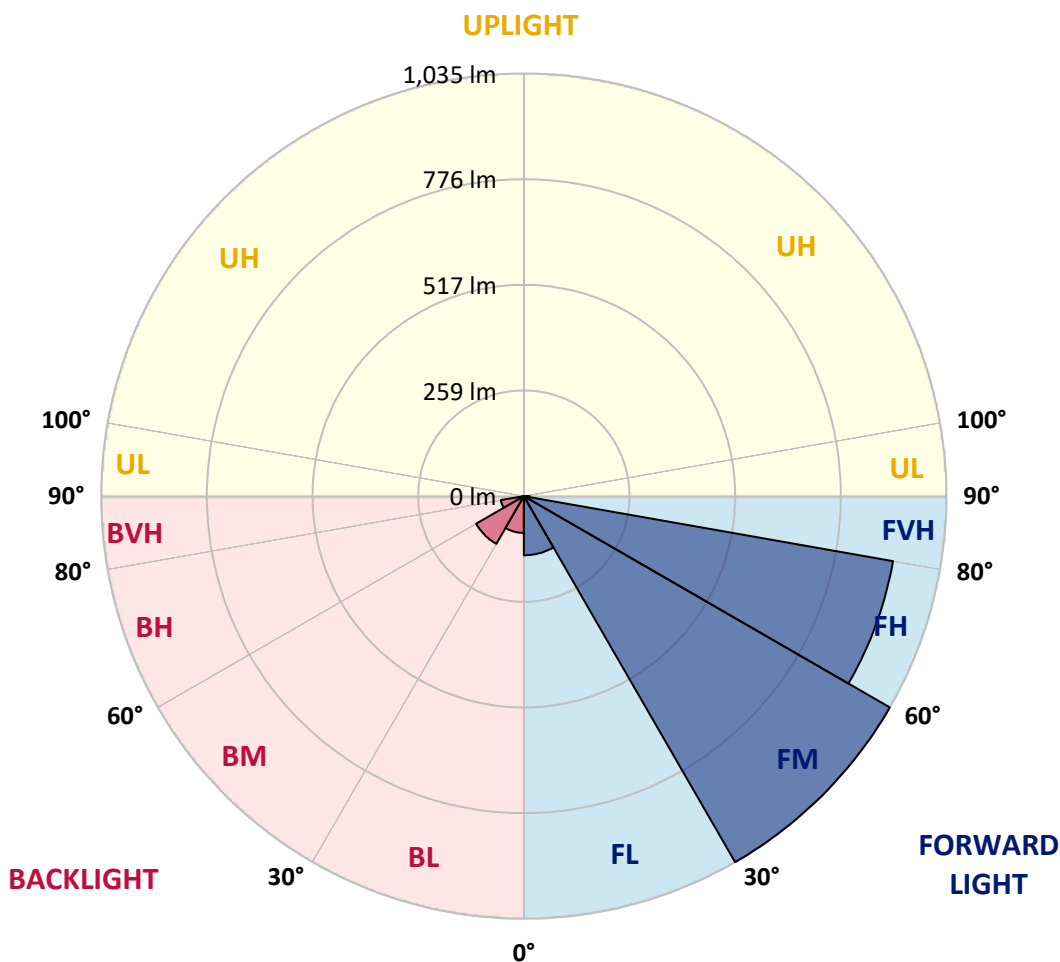


REPORT NUMBER: P676453
 CATALOG NUMBER: CCW-SA-1C-827-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	144.9	6.0			
FM (30°-60°)	1034.8	43.2			
FH (60°-80°)	917.9	38.3			G1/1800
FVH (80°-90°)	14.6	0.6			G1/100
BL (0°-30°)	90.0	3.8	B0/110		
BM (30°-60°)	134.9	5.6	B0/220		
BH (60°-80°)	57.1	2.4	B0/110		G0/110
BVH (80°-90°)	0.3	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





REPORT NUMBER: P676453
 CATALOG NUMBER: CCW-SA-1C-827-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	295.4	295.4	295.4	295.4	295.4	295.4	295.4	295.4	295.4	295.4	295.4
2.5°	291.1	289.3	291.1	293.6	291.1	293.0	292.4	294.2	291.8	291.8	293.6
5°	272.2	275.2	276.5	279.5	282.6	288.1	291.8	291.8	295.4	297.3	299.7
7.5°	265.5	260.6	265.5	267.9	271.0	280.1	285.6	288.1	293.0	299.7	303.4
10°	255.7	259.3	259.3	267.3	271.6	277.1	286.9	288.7	299.7	306.4	310.1
12.5°	255.1	255.1	258.1	263.6	272.2	282.6	294.8	291.1	302.8	315.0	321.1
15°	256.9	261.2	261.2	268.5	275.2	289.9	300.3	300.9	317.5	329.7	335.2
17.5°	264.8	263.0	265.5	269.7	280.1	294.2	311.3	313.2	332.1	348.6	356.6
20°	281.4	284.4	280.8	278.3	282.6	300.9	323.0	326.6	348.0	363.9	371.9
22.5°	343.1	340.7	326.0	308.9	301.5	310.1	334.0	342.5	367.6	386.6	393.3
25°	412.9	408.6	391.5	365.8	332.1	328.5	356.0	356.0	392.1	412.9	411.0
27.5°	478.9	477.7	457.5	430.6	382.9	356.6	373.7	380.5	419.6	436.7	428.8
30°	546.2	547.4	529.1	496.7	446.5	401.9	398.8	404.3	440.4	467.3	450.8
32.5°	624.5	613.5	600.6	556.0	510.1	460.0	431.2	428.8	463.6	488.1	466.1
35°	694.2	687.5	673.4	633.1	580.5	520.5	480.2	474.0	493.0	525.4	501.6
37.5°	755.4	748.7	730.3	703.4	662.4	595.8	538.9	529.7	537.6	571.9	543.2
40°	808.0	809.8	804.9	778.6	740.7	680.2	614.7	600.0	593.3	623.9	591.5
42.5°	845.9	863.7	864.9	832.5	801.9	768.9	695.5	683.8	667.9	693.6	671.0
45°	925.4	915.7	921.8	910.1	876.5	871.6	788.4	781.7	759.7	768.2	744.4
47.5°	987.8	986.0	997.6	978.7	969.5	970.1	894.2	882.6	851.4	867.3	840.4
50°	1023.9	1014.1	1056.3	1071.0	1069.2	1076.5	1001.3	991.5	961.5	984.8	927.3
52.5°	1032.5	1050.2	1090.0	1143.2	1165.8	1181.1	1118.1	1114.4	1082.0	1096.7	1017.2
55°	1053.9	1071.0	1094.3	1181.7	1265.5	1269.2	1233.1	1236.8	1208.0	1204.4	1102.8
57.5°	1053.3	1049.6	1113.8	1215.4	1331.6	1384.2	1364.6	1346.9	1315.7	1279.6	1157.9
60°	1014.7	1012.9	1079.6	1219.6	1367.7	1488.2	1496.1	1475.3	1397.0	1343.8	1222.7
62.5°	938.3	945.6	1012.9	1182.9	1401.9	1525.5	1554.8	1540.8	1443.5	1386.6	1299.2
65°	850.8	835.5	913.8	1091.2	1324.9	1514.5	1578.1	1573.2	1498.6	1433.1	1369.5
67.5°	682.6	689.3	749.3	938.9	1193.3	1474.1	1632.5	1639.9	1542.6	1474.1	1390.9
70°	432.4	444.7	507.1	678.3	974.4	1346.9	1681.4	1702.9	1577.5	1470.4	1328.5
72.5°	126.0	130.9	215.9	338.2	620.8	1080.2	1603.2	1614.2	1509.6	1334.6	1027.6
75°	41.6	44.0	63.6	110.1	243.4	558.4	1184.2	1236.2	1201.3	967.6	587.8
77.5°	27.5	28.7	34.9	52.6	92.4	174.9	634.9	690.6	677.1	453.2	189.6
80°	20.2	20.8	25.7	35.5	56.3	63.0	234.3	271.0	261.8	104.0	37.9
82.5°	12.8	12.8	19.0	25.1	35.5	31.2	67.9	75.2	73.4	39.8	14.7
85°	8.6	9.2	14.1	19.6	19.6	14.7	19.6	22.6	24.5	21.4	6.7
87.5°	2.4	3.1	8.0	13.5	8.0	7.3	6.7	7.3	8.6	11.6	3.7
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: P676453
 CATALOG NUMBER: CCW-SA-1C-827-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	295.4	295.4	295.4	295.4	295.4	295.4	295.4	295.4	295.4	295.4	295.4
2.5°	295.4	297.9	297.3	298.5	296.7	294.8	296.7	296.7	296.7	294.8	293.6
5°	297.9	296.7	297.9	295.4	297.9	295.4	294.2	290.5	289.9	289.9	292.4
7.5°	301.5	302.8	297.3	297.3	291.8	293.0	289.9	290.5	289.3	287.5	286.3
10°	307.1	311.9	306.4	304.6	298.5	293.6	286.3	282.6	282.6	280.1	282.6
12.5°	322.3	320.5	317.5	311.3	304.0	294.2	276.5	258.7	244.1	233.0	238.5
15°	334.6	334.0	329.7	318.1	308.3	278.3	233.7	187.8	163.3	152.3	150.5
17.5°	353.5	351.7	344.4	329.1	296.7	230.6	160.3	121.7	97.9	92.4	90.5
20°	371.3	370.7	354.8	335.2	267.3	168.2	104.6	80.1	73.4	74.0	72.8
22.5°	390.2	387.2	368.2	327.8	212.9	111.9	74.6	71.6	69.1	68.5	69.7
25°	411.6	400.6	381.7	311.3	156.6	77.1	70.3	67.9	65.4	64.8	64.8
27.5°	420.2	412.9	387.8	271.6	99.1	67.3	66.1	63.0	59.9	58.1	57.5
30°	439.8	427.5	393.9	213.5	70.3	61.8	59.9	56.3	52.0	48.9	48.9
32.5°	459.4	444.7	394.5	149.2	58.7	55.7	52.6	47.7	42.2	39.1	39.8
35°	483.8	463.6	387.8	96.6	52.6	48.9	42.8	37.3	32.4	30.0	30.0
37.5°	525.4	506.5	360.3	63.6	47.7	41.6	35.5	29.4	25.1	23.2	23.2
40°	578.0	553.6	322.3	50.2	42.2	35.5	28.1	22.6	20.2	18.3	18.3
42.5°	641.0	610.4	266.1	44.7	37.3	29.4	22.0	17.7	15.3	15.3	14.7
45°	704.0	653.9	208.6	41.0	33.0	24.5	17.1	14.1	12.8	12.2	12.2
47.5°	793.9	706.5	149.2	37.3	28.7	19.0	14.1	11.6	10.4	9.8	10.4
50°	880.2	756.0	105.8	33.6	23.9	15.3	11.6	10.4	9.2	8.6	8.6
52.5°	956.0	790.3	74.0	29.4	20.2	12.8	10.4	9.2	8.6	8.0	8.0
55°	997.6	778.6	50.8	25.1	16.5	11.0	9.2	8.0	7.3	6.7	6.7
57.5°	1040.4	746.2	38.5	20.8	13.5	10.4	8.6	7.3	6.7	6.1	6.1
60°	1076.5	722.4	30.0	16.5	11.0	8.6	7.3	6.1	5.5	4.9	4.3
62.5°	1078.4	674.7	22.0	12.2	8.6	7.3	6.1	4.9	3.1	2.4	1.8
65°	1085.7	624.5	15.9	9.2	6.1	5.5	4.3	2.4	1.2	0.0	0.0
67.5°	1060.0	565.2	12.8	6.7	4.3	3.1	1.8	0.6	0.0	0.0	0.0
70°	955.4	477.1	9.8	4.9	3.1	1.8	0.6	0.0	0.0	0.0	0.0
72.5°	683.8	310.1	6.7	3.7	1.2	0.6	0.0	0.0	0.0	0.0	0.0
75°	364.5	132.1	4.9	2.4	0.6	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	114.4	33.6	3.1	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0
80°	25.1	9.2	1.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	8.6	3.7	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.1	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.2	0.6	0.6	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)