

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: P676520

Luminaire Tested: **CCW-SA-1C-722-U-T4FT-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676520
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-722-U-T4FT-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
T4FT distribution lens and House Side Shield
Light Source: (16) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

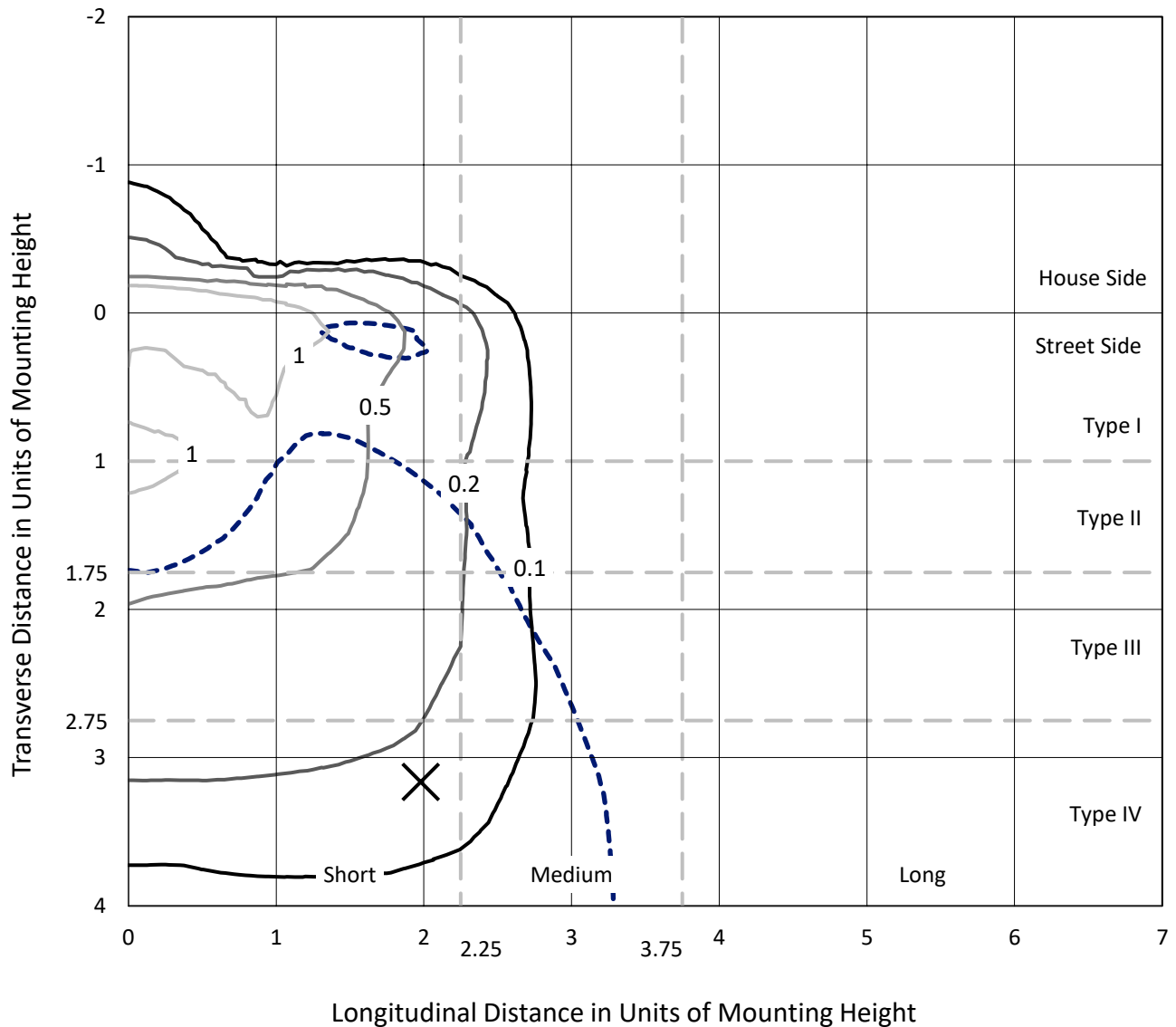
Lumens per Lamp: N/A
Luminaire Lumens: 2391.4 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

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

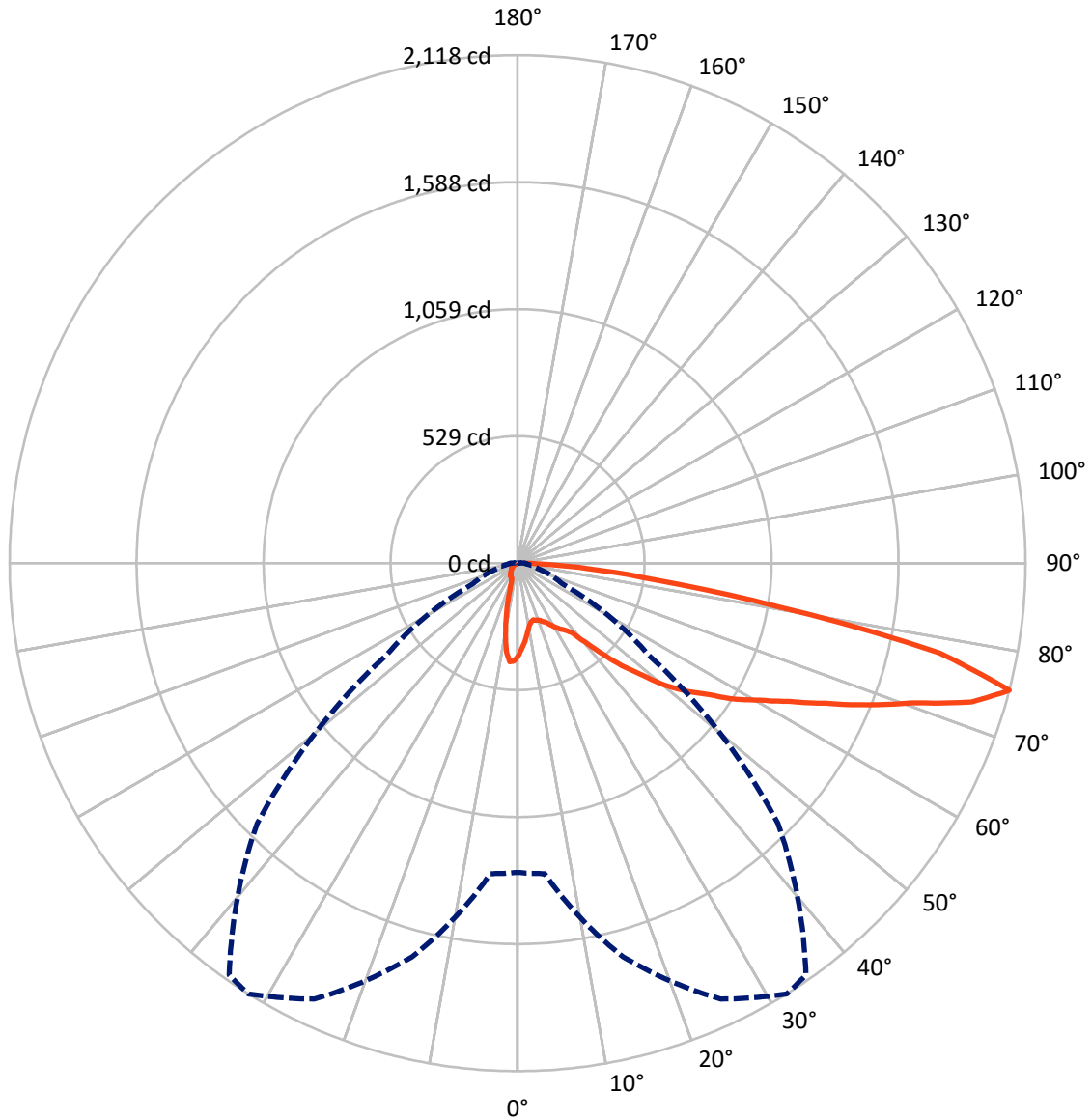
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.7 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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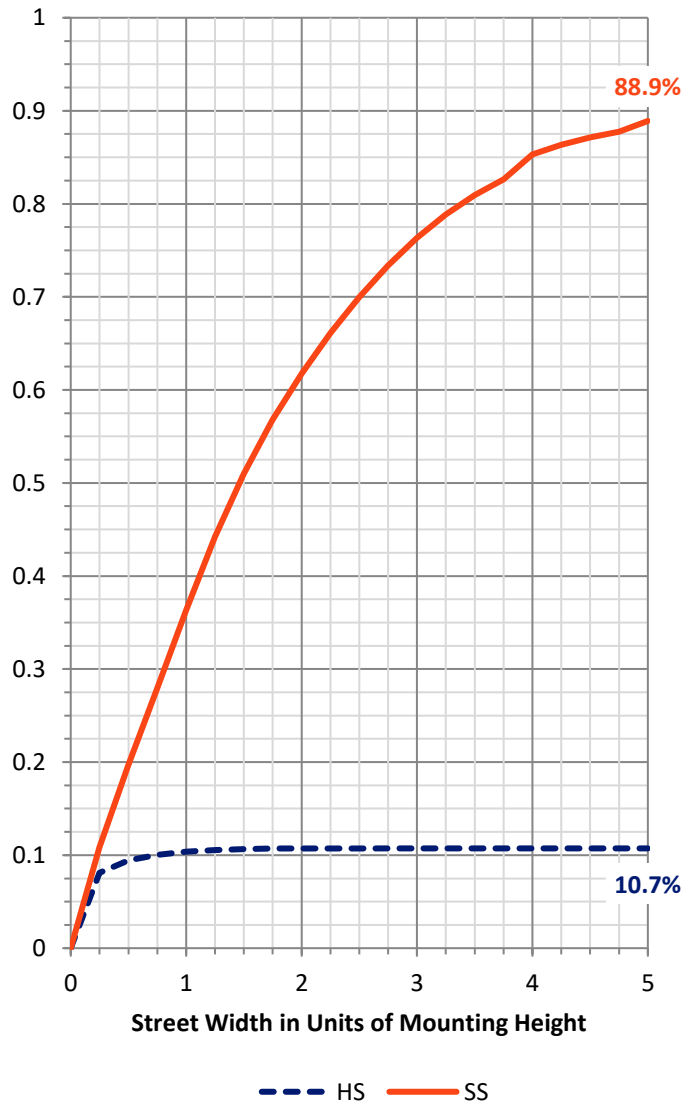
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	258.3	0.0	258.3
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	2133.0	0.0	2133.0
	% Fixture	89.2	0.0	89.2
Total	Lumens	2391.4	0.0	2391.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.9	1.4
10°-20°	77.0	3.2
20°-30°	115.3	4.8
30°-40°	177.1	7.4
40°-50°	309.6	12.9
50°-60°	484.0	20.2
60°-70°	625.7	26.2
70°-80°	509.6	21.3
80°-90°	59.0	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°	2391.4	100.0
0°-180°	2391.4	100.0



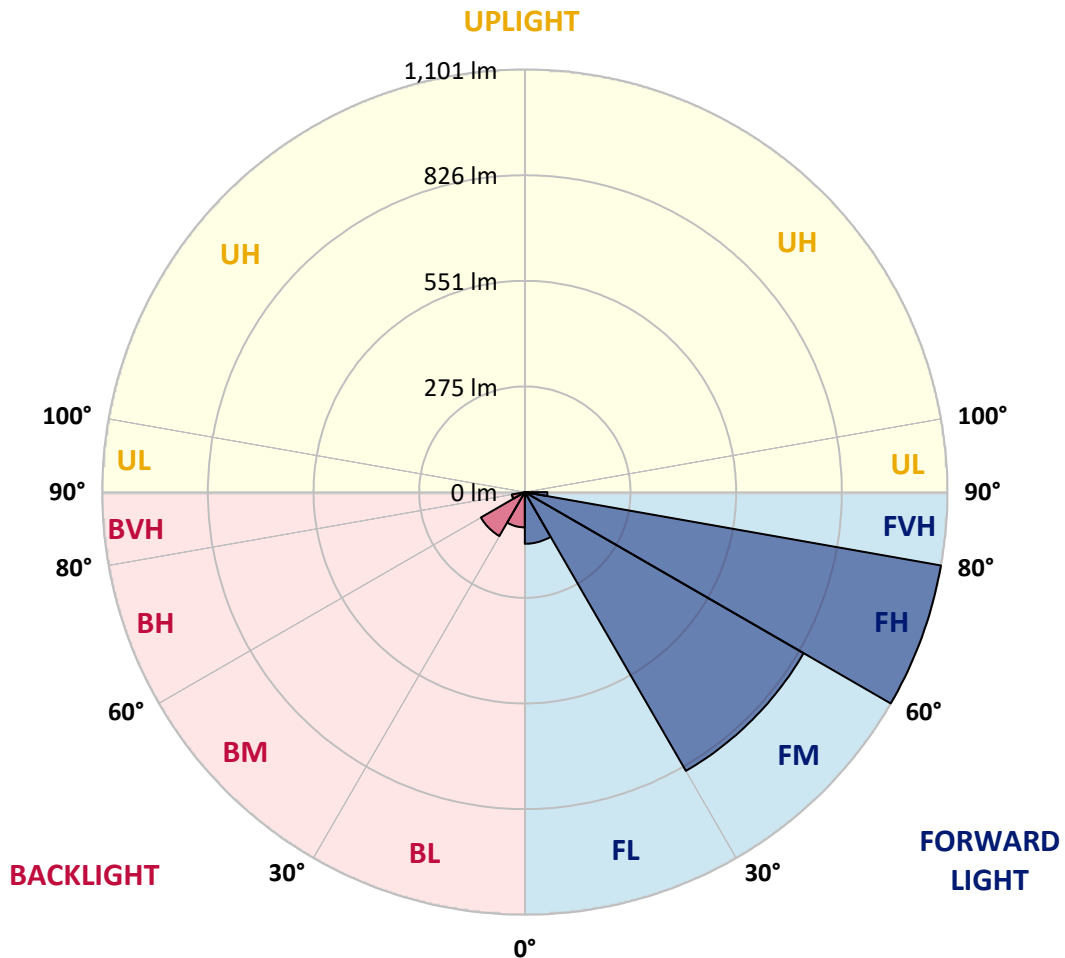
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	134.5	5.6			
FM (30°-60°)	838.5	35.1			
FH (60°-80°)	1101.0	46.0			G1/1800
FVH (80°-90°)	58.9	2.5			G1/100
BL (0°-30°)	91.8	3.8	B0/110		
BM (30°-60°)	132.2	5.5	B0/220		
BH (60°-80°)	34.4	1.4	B0/110		G0/110
BVH (80°-90°)	0.0	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°	386.1	386.1	386.1	386.1	386.1	386.1	386.1	386.1	386.1	386.1	386.1
2.5°	346.3	351.2	350.6	353.6	354.3	356.1	360.4	360.4	372.6	381.2	386.7
5°	315.0	312.0	313.2	316.9	326.1	325.5	335.9	341.4	356.1	368.4	381.2
7.5°	276.4	275.8	278.3	286.8	293.6	299.1	310.1	324.2	343.8	362.2	384.9
10°	251.9	250.7	255.6	258.0	266.0	269.7	286.8	308.9	332.2	358.5	384.9
12.5°	246.4	242.1	244.5	243.9	251.3	253.1	269.7	296.6	324.8	357.3	389.8
15°	249.5	246.4	243.9	243.9	245.8	247.0	264.8	288.7	320.5	359.2	400.8
17.5°	259.3	257.4	250.1	242.7	250.7	250.7	261.7	286.8	321.2	364.7	414.3
20°	270.9	269.1	256.2	247.6	253.1	259.3	270.9	291.1	323.0	369.0	435.2
22.5°	283.8	283.8	266.0	256.2	263.5	264.2	285.0	304.6	330.4	380.0	448.6
25°	299.7	298.5	281.3	270.3	272.7	279.5	298.5	319.3	343.8	395.3	473.8
27.5°	320.5	318.7	298.5	287.5	290.5	297.9	319.3	340.2	356.1	401.5	495.2
30°	337.7	335.9	319.3	302.8	309.5	316.3	341.4	359.8	371.4	413.1	519.7
32.5°	341.4	338.3	327.3	319.9	327.3	340.2	359.8	378.8	396.5	442.5	566.3
35°	383.7	372.6	343.8	332.2	343.2	347.5	380.0	413.7	430.9	465.8	618.4
37.5°	464.6	454.2	416.2	383.7	368.4	373.3	415.5	457.2	473.8	509.3	675.4
40°	563.9	546.7	506.3	462.7	431.5	425.4	452.9	514.2	530.2	563.9	750.2
42.5°	677.3	660.7	598.2	546.7	514.8	506.9	511.2	580.4	593.9	614.1	799.2
45°	758.8	750.2	679.7	633.7	608.6	600.0	589.6	652.7	669.9	676.6	870.3
47.5°	806.0	799.8	760.6	729.4	695.6	686.5	693.2	753.3	741.6	747.1	938.4
50°	869.1	853.2	799.8	809.6	802.9	800.5	812.1	838.5	821.3	805.4	1012.5
52.5°	920.0	891.8	854.4	878.3	888.7	897.9	939.0	958.6	882.0	857.5	1060.3
55°	951.2	924.3	934.1	956.1	967.2	1009.5	1057.9	1043.2	921.8	899.1	1124.1
57.5°	979.4	981.3	1007.6	1014.4	1070.7	1078.1	1171.3	1123.5	950.0	937.1	1149.2
60°	1047.5	1040.7	1062.2	1105.7	1159.6	1200.7	1289.6	1177.4	964.1	956.7	1142.5
62.5°	1170.0	1128.4	1135.7	1190.9	1269.9	1314.7	1357.6	1201.9	960.4	959.8	1122.2
65°	1325.7	1277.9	1255.8	1307.3	1409.7	1472.8	1434.2	1229.5	935.9	953.1	1046.8
67.5°	1455.0	1455.6	1414.6	1443.4	1577.0	1590.5	1506.5	1224.0	894.8	899.7	863.0
70°	1604.0	1624.2	1588.0	1678.1	1744.9	1753.5	1589.3	1178.6	806.6	678.5	495.8
72.5°	1642.0	1652.4	1765.2	1903.7	1979.1	1981.5	1670.8	1027.2	530.8	299.7	153.8
75°	1289.6	1299.4	1699.0	2005.4	2117.6	2096.1	1534.7	666.8	206.5	87.6	36.8
77.5°	719.6	722.6	1054.8	1621.1	1796.4	1710.0	1075.0	259.9	83.4	50.3	17.2
80°	196.7	231.1	391.0	799.2	1097.1	1076.9	511.8	84.6	53.9	39.2	8.0
82.5°	47.2	50.9	125.6	353.6	579.8	604.9	152.6	42.9	37.4	32.5	4.3
85°	17.2	19.0	38.6	172.2	297.9	273.4	46.0	21.5	27.6	25.1	1.8
87.5°	6.1	6.1	12.3	56.4	87.0	65.6	15.3	7.4	14.1	15.3	0.6
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°	386.1	386.1	386.1	386.1	386.1	386.1	386.1	386.1	386.1	386.1	386.1
2.5°	387.4	387.4	395.9	403.3	405.7	408.8	405.7	412.5	411.9	408.8	410.0
5°	388.0	399.0	406.4	411.3	413.7	413.1	414.3	407.0	402.7	399.6	396.5
7.5°	391.0	401.5	414.9	413.7	407.0	392.9	381.8	362.2	343.2	342.6	339.5
10°	401.5	410.6	418.6	413.7	389.2	346.3	311.4	285.0	261.1	250.1	251.3
12.5°	408.8	426.0	422.3	397.2	346.3	289.9	238.4	199.8	178.4	158.1	158.1
15°	424.1	430.3	429.0	373.3	293.6	226.2	163.6	124.4	101.7	92.5	91.3
17.5°	438.8	445.6	424.7	337.1	241.5	152.0	99.3	77.2	74.2	72.9	73.5
20°	457.2	457.8	421.1	300.9	181.4	96.2	71.1	69.3	69.9	69.3	69.3
22.5°	476.8	481.1	408.2	250.1	120.7	69.9	66.2	66.8	66.8	66.8	68.6
25°	502.6	495.8	388.0	201.6	79.1	64.4	64.4	65.0	65.0	65.0	65.6
27.5°	519.7	510.5	362.2	145.3	61.9	60.7	61.9	61.9	63.1	63.1	63.1
30°	555.3	531.4	329.7	93.8	55.8	57.6	58.8	60.1	60.7	61.9	62.5
32.5°	582.9	549.8	289.3	62.5	50.9	52.1	55.2	57.6	60.1	59.5	59.5
35°	633.1	579.8	251.9	49.6	46.6	46.6	49.6	53.9	57.6	58.8	58.8
37.5°	690.7	604.3	199.8	45.4	42.9	42.9	44.7	49.6	54.5	57.0	55.8
40°	738.6	632.5	147.7	42.3	39.8	39.8	41.1	44.7	50.3	54.5	55.2
42.5°	772.3	653.4	99.9	39.2	37.4	36.8	38.6	40.5	44.7	50.9	52.1
45°	802.9	664.4	61.9	36.2	34.9	34.9	34.9	36.8	39.8	45.4	46.6
47.5°	857.5	676.6	44.7	33.7	31.9	32.5	33.1	33.7	36.2	37.4	38.0
50°	903.4	685.8	36.8	31.3	30.0	30.6	30.6	30.6	31.9	30.0	30.0
52.5°	938.4	676.6	31.3	28.8	27.6	28.2	27.6	27.6	26.4	23.9	23.9
55°	964.1	660.1	25.1	26.4	26.4	26.4	25.1	23.3	20.8	19.0	19.0
57.5°	970.8	631.9	19.6	22.1	23.9	23.9	21.5	19.0	15.9	14.1	13.5
60°	960.4	570.6	14.7	15.9	18.4	19.0	17.2	14.1	11.0	9.2	9.2
62.5°	923.0	522.2	11.6	10.4	13.5	14.1	12.3	9.2	6.1	4.3	3.7
65°	851.9	447.4	8.6	7.4	9.2	9.8	8.0	4.3	1.8	0.6	0.0
67.5°	683.4	337.1	5.5	4.9	6.1	6.1	3.7	1.2	0.0	0.0	0.0
70°	378.2	189.4	3.7	2.5	3.1	1.8	0.6	0.0	0.0	0.0	0.0
72.5°	109.1	53.9	1.8	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0
75°	29.4	12.9	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	12.9	4.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	5.5	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	3.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.6	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)