

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: P676670

Luminaire Tested: **CCW-SA-2C-722-U-T4W-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676670
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-722-U-T4W-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
T4W distribution lens and House Side Shield
Light Source: (32) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

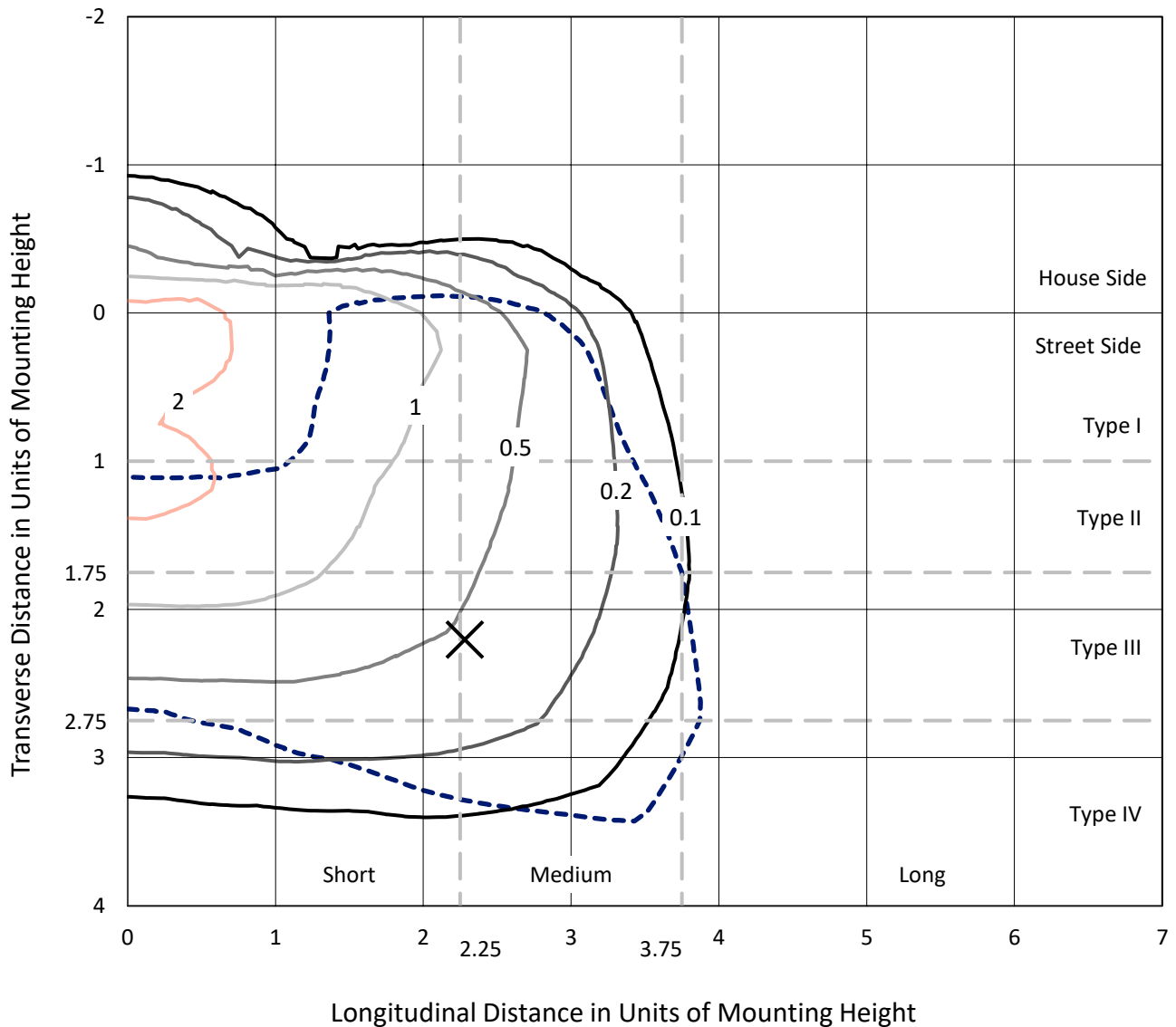
Lumens per Lamp: N/A
Luminaire Lumens: 4805.1 lumens
Efficiency: N/A
Efficacy: 77.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1
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

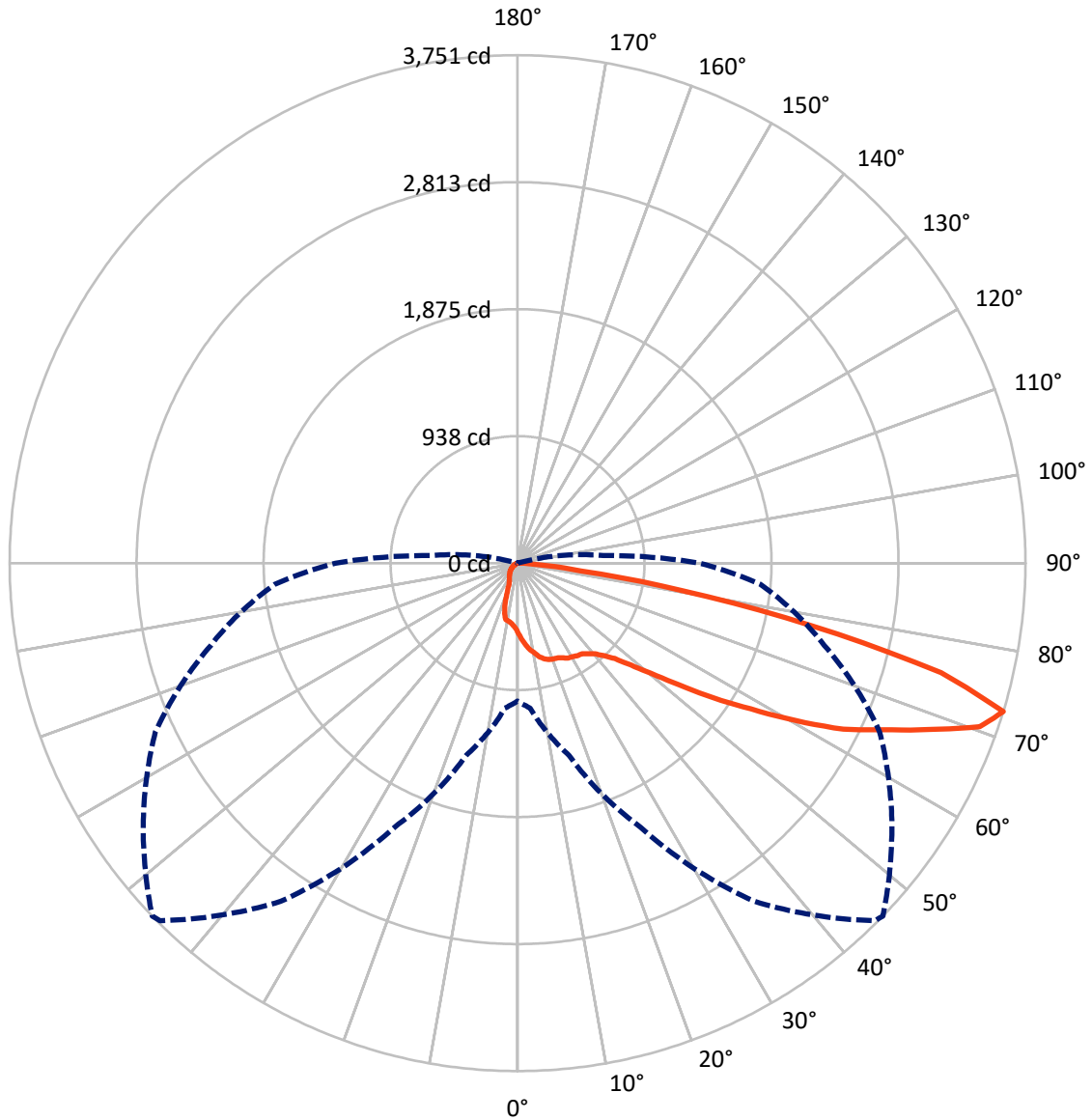
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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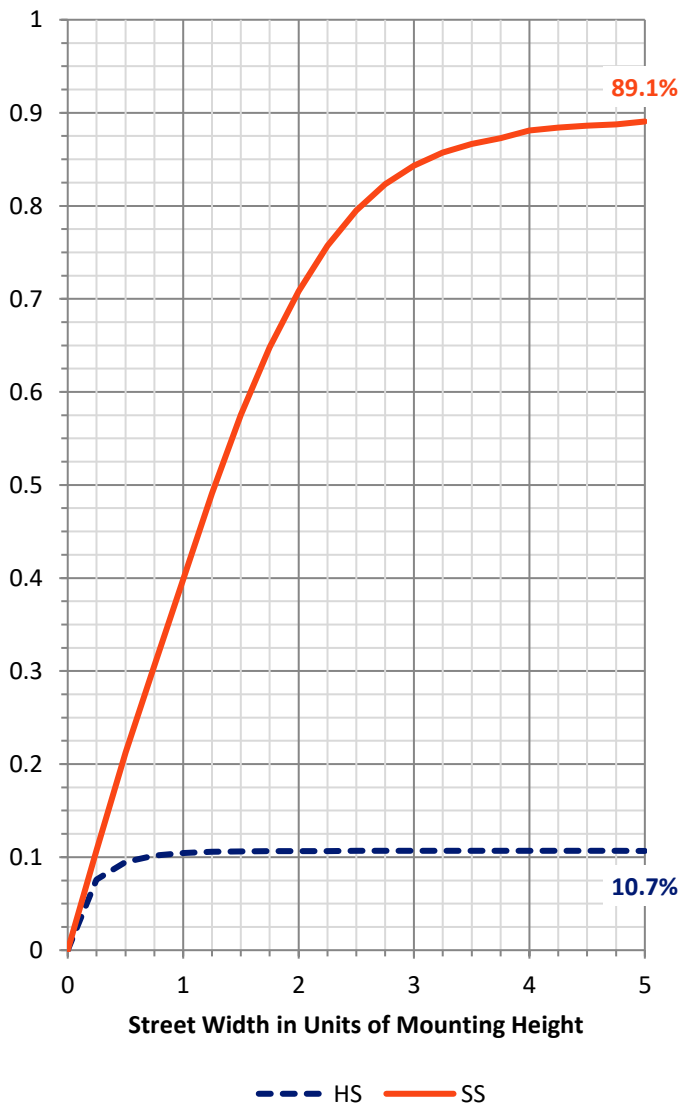
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	517.3	0.0	517.3
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	4287.7	0.0	4287.7
	% Fixture	89.2	0.0	89.2
Total	Lumens	4805.1	0.0	4805.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.4	1.1
10°-20°	155.2	3.2
20°-30°	242.9	5.1
30°-40°	340.2	7.1
40°-50°	561.0	11.7
50°-60°	1008.4	21.0
60°-70°	1461.5	30.4
70°-80°	912.1	19.0
80°-90°	72.3	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°	4805.1	100.0
0°-180°	4805.1	100.0



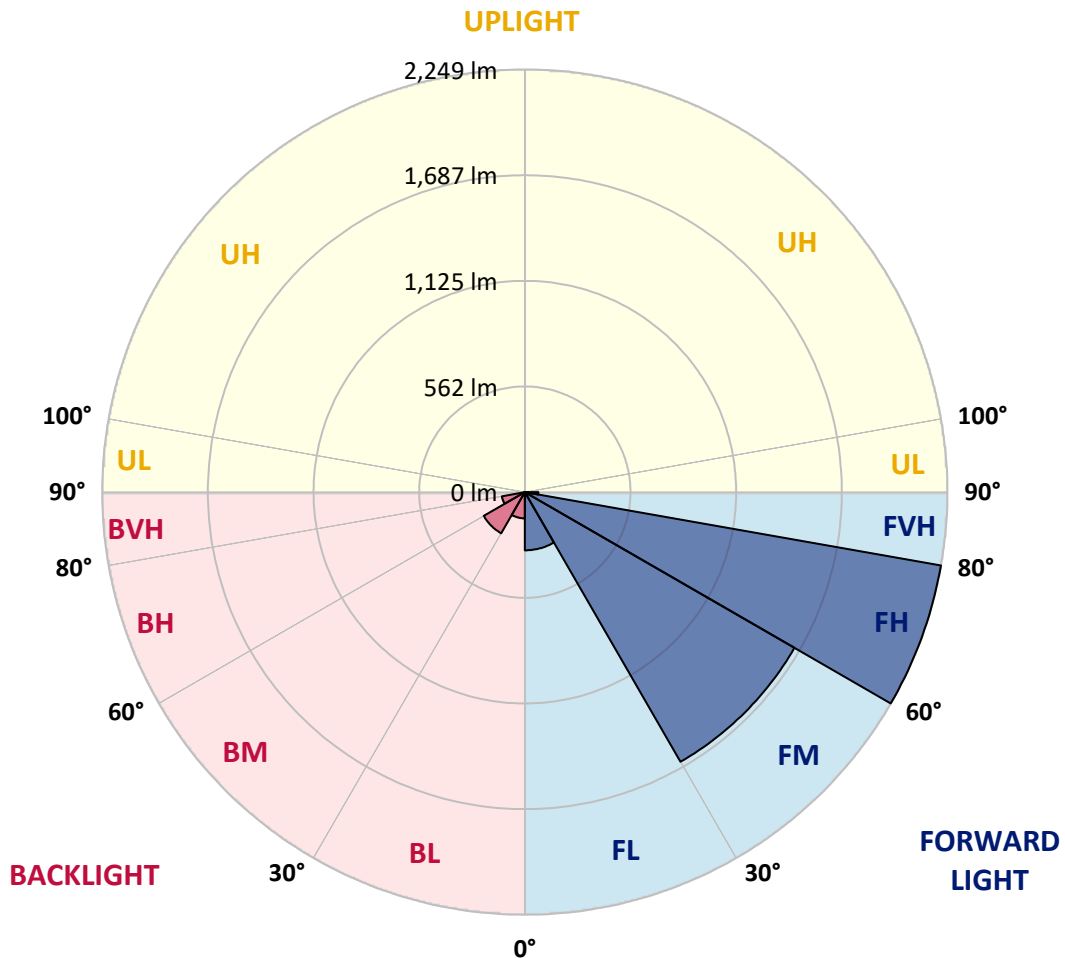
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	309.7	6.4			
FM (30°-60°)	1656.9	34.5			
FH (60°-80°)	2249.2	46.8			G2/5000
FVH (80°-90°)	71.9	1.5			G1/100
BL (0°-30°)	139.8	2.9	B1/500		
BM (30°-60°)	252.7	5.3	B1/1000		
BH (60°-80°)	124.4	2.6	B1/500		G1/500
BVH (80°-90°)	0.4	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-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	513.5	513.5	513.5	513.5	513.5	513.5	513.5	513.5	513.5	513.5	513.5
2.5°	574.8	572.4	576.1	574.8	560.1	562.6	561.3	551.5	534.4	524.6	518.4
5°	641.0	647.1	642.2	631.2	622.6	605.5	603.0	587.1	560.1	543.0	524.6
7.5°	709.6	709.6	699.8	682.7	664.3	645.9	643.5	616.5	593.2	563.8	538.1
10°	761.1	755.0	747.6	729.3	708.4	683.9	671.6	652.0	626.3	590.8	557.7
12.5°	806.5	796.7	784.4	757.4	732.9	706.0	708.4	676.6	659.4	627.5	578.5
15°	832.2	823.6	812.6	788.1	750.1	737.8	732.9	713.3	682.7	650.8	604.2
17.5°	838.3	832.2	817.5	785.6	764.8	750.1	748.9	725.6	712.1	685.1	633.7
20°	826.1	815.0	804.0	783.2	763.6	758.7	755.0	755.0	737.8	702.3	652.0
22.5°	805.2	793.0	786.9	774.6	758.7	757.4	759.9	757.4	744.0	720.7	671.6
25°	789.3	783.2	773.4	769.7	759.9	778.3	774.6	770.9	767.2	740.3	702.3
27.5°	794.2	793.0	785.6	770.9	763.6	783.2	794.2	795.4	794.2	767.2	730.5
30°	796.7	790.5	783.2	779.5	782.0	801.6	801.6	828.5	817.5	790.5	758.7
32.5°	824.9	821.2	796.7	788.1	789.3	812.6	813.8	840.8	837.1	818.7	783.2
35°	884.9	860.4	824.9	800.3	800.3	831.0	821.2	860.4	870.2	840.8	800.3
37.5°	974.4	956.0	892.3	837.1	816.3	838.3	848.1	870.2	899.6	873.9	834.7
40°	1152.1	1148.4	1057.7	938.8	856.7	876.3	880.0	914.3	933.9	898.4	887.4
42.5°	1411.9	1393.6	1309.0	1121.5	930.3	921.7	935.2	957.2	1003.8	974.4	947.4
45°	1665.6	1657.1	1572.5	1362.9	1063.9	1012.4	1005.0	1044.2	1112.9	1081.0	1060.2
47.5°	1849.5	1832.3	1784.5	1608.0	1260.0	1119.0	1123.9	1163.1	1250.2	1225.6	1231.8
50°	1990.4	1981.9	1931.6	1834.8	1507.5	1286.9	1277.1	1316.3	1434.0	1449.9	1467.1
52.5°	2144.9	2160.8	2093.4	2011.3	1800.5	1512.4	1490.4	1503.9	1655.8	1692.6	1740.4
55°	2293.2	2318.9	2251.5	2240.5	2106.9	1762.5	1758.8	1726.9	1923.0	1927.9	1953.7
57.5°	2390.0	2381.4	2376.5	2436.6	2413.3	2049.3	2030.9	1999.0	2176.7	2144.9	2222.1
60°	2397.3	2421.9	2504.0	2652.3	2694.0	2386.3	2359.4	2272.3	2396.1	2320.1	2467.2
62.5°	2452.5	2472.1	2624.1	2828.8	2882.7	2682.9	2701.3	2480.7	2583.6	2523.6	2739.3
65°	2312.8	2374.1	2679.2	2966.0	3130.3	2983.2	2964.8	2749.1	2776.1	2719.7	3007.7
67.5°	2186.5	2209.8	2528.5	3007.7	3326.4	3284.7	3277.4	2986.9	2974.6	2870.4	3083.7
70°	1777.2	1805.4	2120.4	2794.5	3392.6	3636.5	3619.3	3320.3	3109.4	2788.3	2694.0
72.5°	1018.5	1074.9	1469.5	2152.2	3048.2	3734.5	3750.5	3374.2	2950.1	2344.6	1799.2
75°	333.4	349.3	610.4	1219.5	2279.7	3257.7	3229.6	2899.9	2380.2	1548.0	812.6
77.5°	112.8	115.2	180.2	441.2	1263.6	2201.2	2217.2	2072.6	1462.2	643.5	224.3
80°	57.6	61.3	88.2	165.5	519.7	1198.7	1224.4	1181.5	612.8	190.0	53.9
82.5°	27.0	28.2	51.5	91.9	237.8	470.6	470.6	517.2	216.9	106.6	22.1
85°	9.8	9.8	27.0	52.7	100.5	156.9	158.1	159.3	114.0	79.7	9.8
87.5°	3.7	3.7	13.5	22.1	36.8	47.8	47.8	38.0	57.6	52.7	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	513.5	513.5	513.5	513.5	513.5	513.5	513.5	513.5	513.5	513.5	513.5
2.5°	516.0	508.6	502.5	493.9	482.9	476.8	478.0	470.6	470.6	467.0	465.7
5°	516.0	508.6	492.7	478.0	468.2	455.9	449.8	444.9	444.9	442.5	443.7
7.5°	519.7	508.6	486.6	467.0	451.0	438.8	429.0	427.7	425.3	419.2	424.1
10°	541.7	525.8	489.0	462.1	443.7	430.2	413.0	408.1	400.8	389.8	391.0
12.5°	560.1	539.3	506.2	469.4	446.1	424.1	384.9	342.0	323.6	304.0	305.2
15°	587.1	557.7	512.3	479.2	446.1	375.0	304.0	248.8	219.4	204.7	204.7
17.5°	601.8	577.3	529.5	485.4	410.6	305.2	215.7	167.9	163.0	165.5	165.5
20°	632.4	599.3	549.1	490.3	351.8	216.9	158.1	153.2	155.7	160.6	159.3
22.5°	652.0	618.9	563.8	468.2	272.1	155.7	148.3	145.9	148.3	154.4	154.4
25°	668.0	647.1	587.1	414.3	192.4	140.9	138.5	140.9	143.4	145.9	149.5
27.5°	707.2	671.6	603.0	344.4	138.5	131.1	133.6	134.8	134.8	138.5	139.7
30°	732.9	704.7	615.3	266.0	122.6	121.3	123.8	125.0	126.2	129.9	131.1
32.5°	757.4	747.6	599.3	180.2	115.2	112.8	111.5	112.8	117.7	121.3	120.1
35°	793.0	786.9	576.1	125.0	107.9	103.0	100.5	101.7	105.4	109.1	107.9
37.5°	835.9	842.0	519.7	109.1	100.5	94.4	89.5	89.5	90.7	94.4	95.6
40°	886.1	902.1	453.5	101.7	95.6	88.2	83.3	77.2	76.0	74.8	76.0
42.5°	978.1	996.4	378.7	96.8	88.2	79.7	72.3	65.0	58.8	55.2	55.2
45°	1106.8	1092.0	280.7	91.9	84.6	72.3	61.3	52.7	44.1	40.4	40.4
47.5°	1284.5	1234.2	192.4	87.0	78.4	63.7	51.5	40.4	33.1	29.4	29.4
50°	1530.8	1365.4	125.0	82.1	74.8	55.2	41.7	29.4	24.5	23.3	24.5
52.5°	1763.7	1499.0	99.3	76.0	67.4	47.8	31.9	24.5	22.1	20.8	20.8
55°	1978.2	1566.4	88.2	69.9	61.3	39.2	27.0	20.8	19.6	18.4	18.4
57.5°	2159.6	1589.7	76.0	61.3	49.0	30.6	22.1	18.4	15.9	14.7	14.7
60°	2316.5	1595.8	58.8	49.0	35.5	23.3	18.4	15.9	13.5	11.0	11.0
62.5°	2441.5	1552.9	41.7	34.3	24.5	18.4	15.9	11.0	7.4	4.9	3.7
65°	2540.7	1467.1	28.2	23.3	15.9	13.5	9.8	4.9	1.2	0.0	0.0
67.5°	2424.3	1272.2	22.1	17.2	11.0	8.6	4.9	1.2	0.0	0.0	0.0
70°	1977.0	986.6	15.9	11.0	7.4	2.5	1.2	0.0	0.0	0.0	0.0
72.5°	1345.8	636.1	12.3	7.4	3.7	1.2	0.0	0.0	0.0	0.0	0.0
75°	604.2	228.0	8.6	4.9	1.2	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	147.1	53.9	6.1	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	39.2	13.5	3.7	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	14.7	4.9	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	6.1	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.5	1.2	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)