

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: P676421

Luminaire Tested: **CCW-SA-1D-740-U-T3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676421
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1D-740-U-T3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @800mA w/
T3 distribution lens and House Side Shield
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4017.7 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

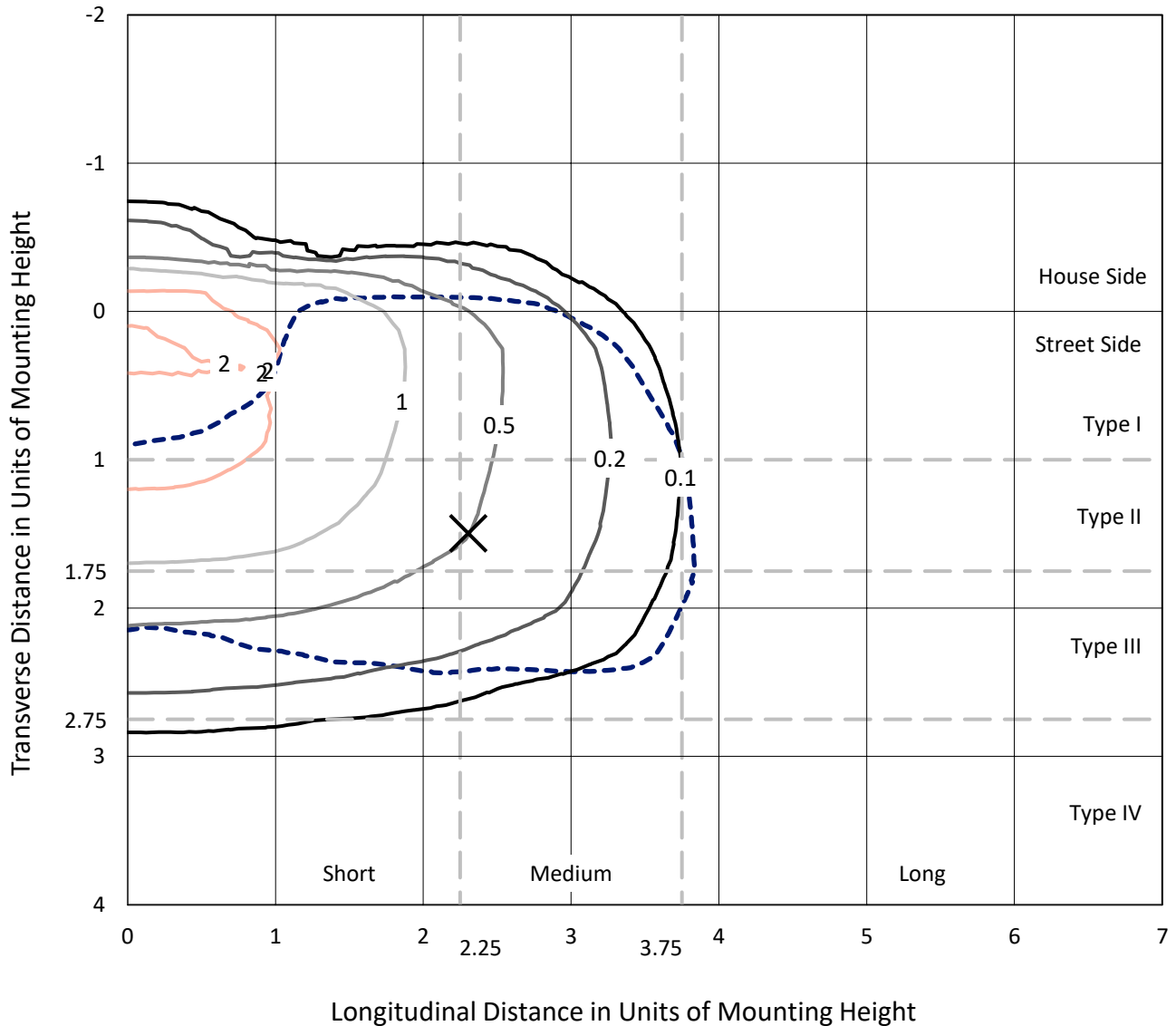
Input Watts (W): 44
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

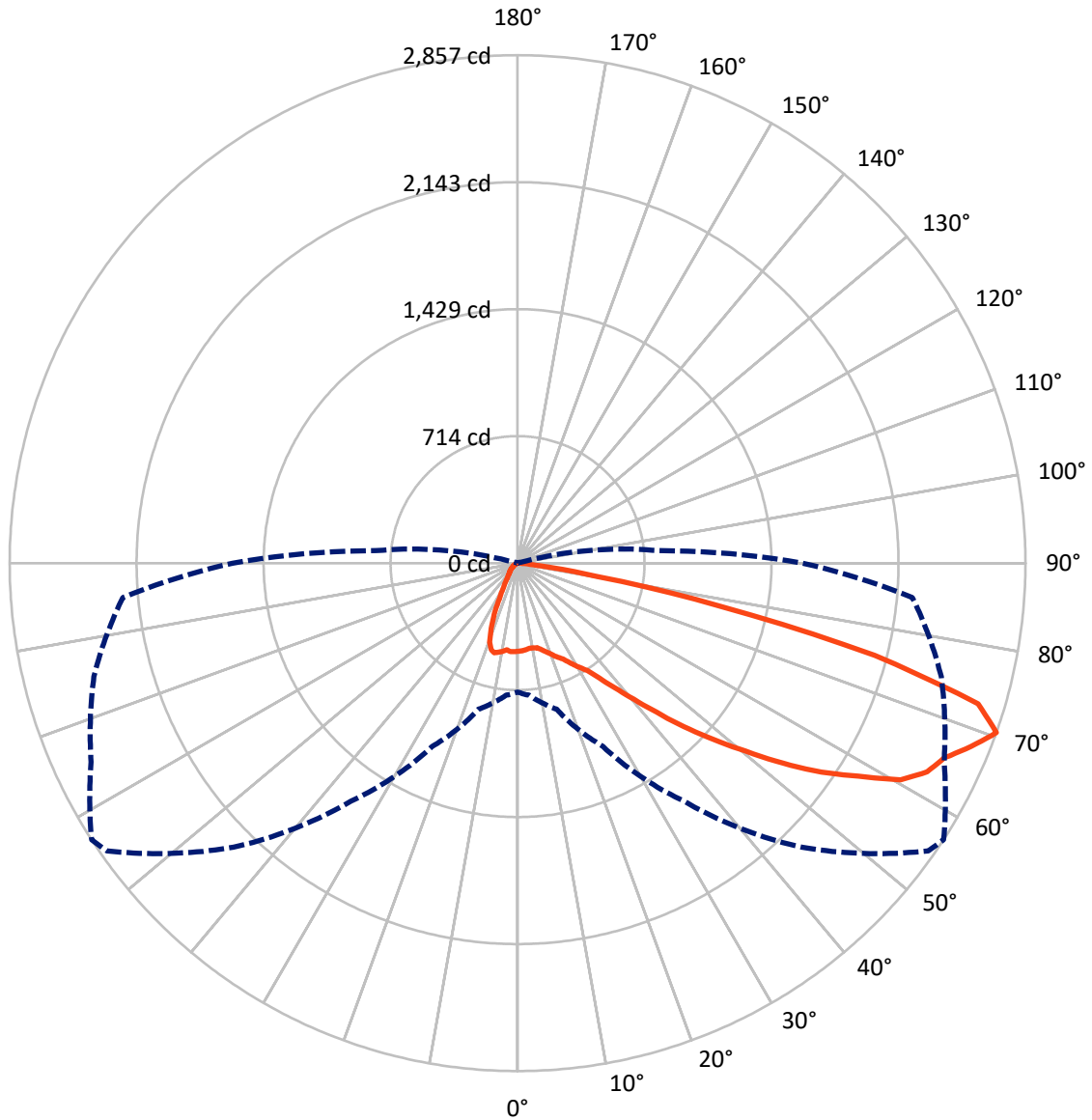
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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

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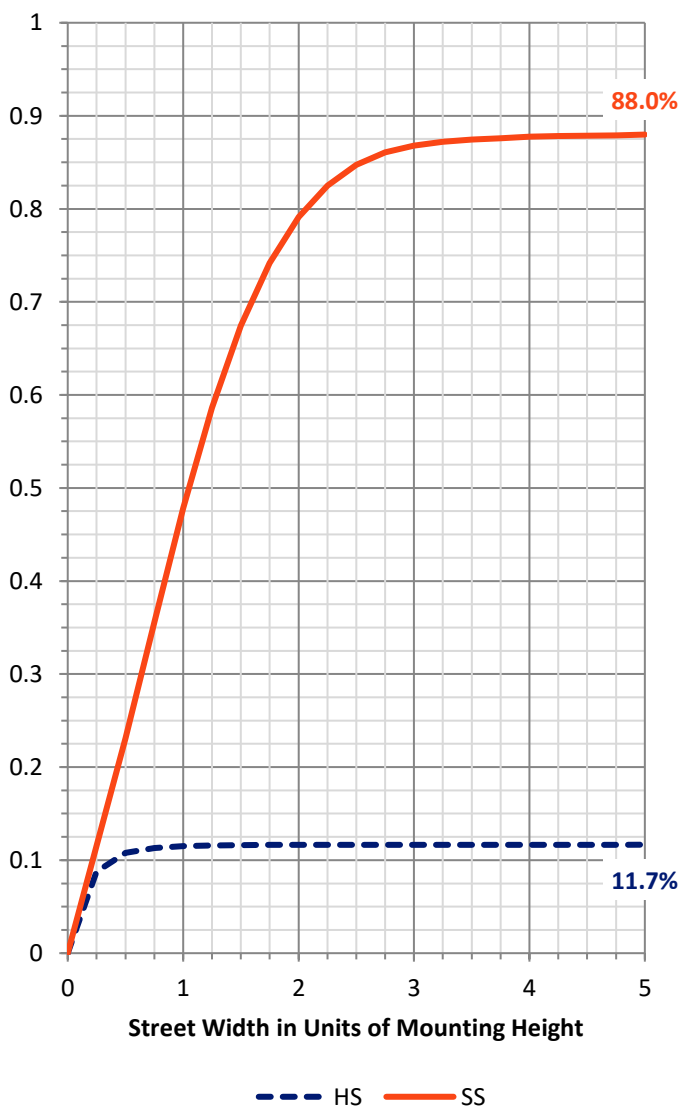
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	473.6	0.0	473.6
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	3544.1	0.0	3544.1
	% Fixture	88.2	0.0	88.2
Total	Lumens	4017.7	0.0	4017.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.3	1.2
10°-20°	129.5	3.2
20°-30°	218.2	5.4
30°-40°	373.4	9.3
40°-50°	627.0	15.6
50°-60°	962.4	24.0
60°-70°	1111.1	27.7
70°-80°	524.9	13.1
80°-90°	24.9	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°	4017.7	100.0
0°-180°	4017.7	100.0

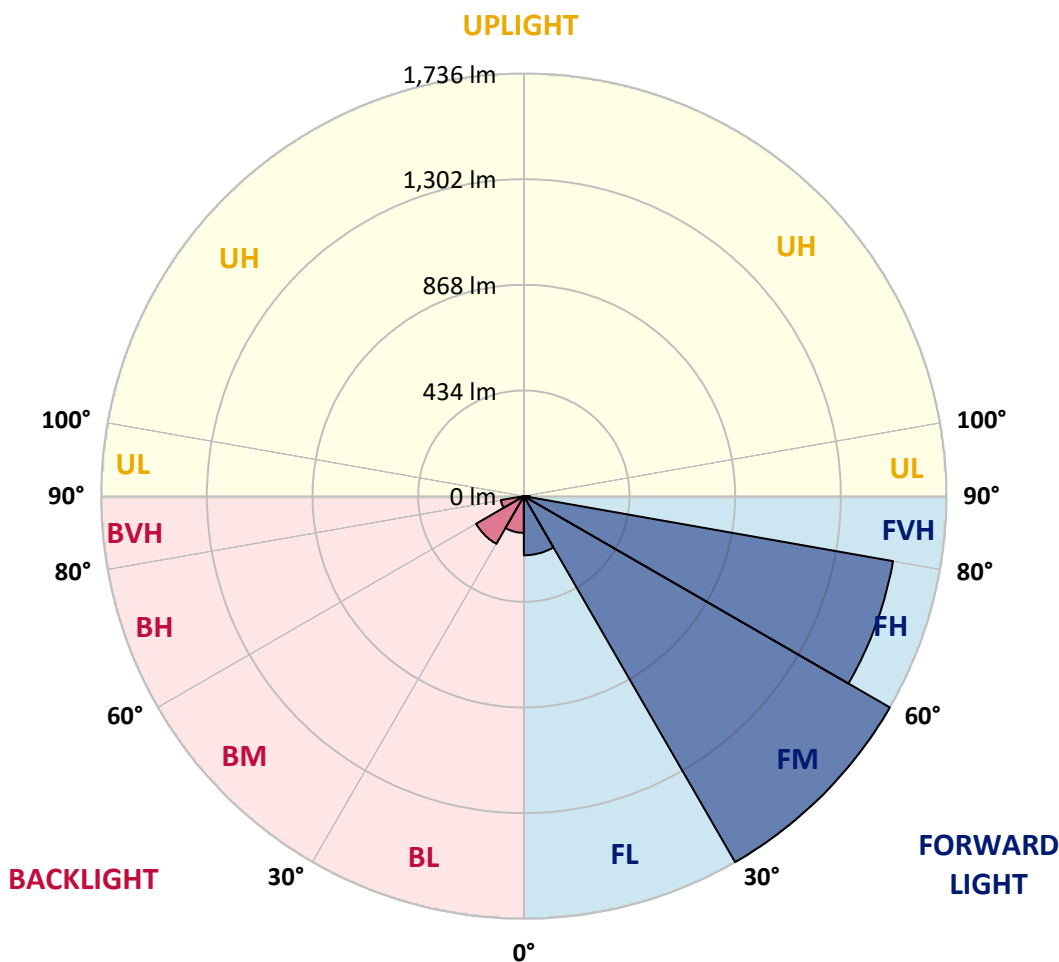


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	243.1	6.0			
FM (30°-60°)	1736.4	43.2			
FH (60°-80°)	1540.2	38.3			G1/1800
FVH (80°-90°)	24.5	0.6			G1/100
BL (0°-30°)	151.0	3.8	B1/500		
BM (30°-60°)	226.4	5.6	B1/1000		
BH (60°-80°)	95.8	2.4	B0/110		G0/110
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-G1
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	495.7	495.7	495.7	495.7	495.7	495.7	495.7	495.7	495.7	495.7	495.7
2.5°	488.5	485.5	488.5	492.6	488.5	491.6	490.6	493.7	489.6	489.6	492.6
5°	456.7	461.9	463.9	469.0	474.2	483.4	489.6	489.6	495.7	498.8	502.9
7.5°	445.4	437.2	445.4	449.5	454.7	470.1	479.3	483.4	491.6	502.9	509.1
10°	429.0	435.2	435.2	448.5	455.7	464.9	481.4	484.4	502.9	514.2	520.4
12.5°	428.0	428.0	433.1	442.4	456.7	474.2	494.7	488.5	508.0	528.6	538.8
15°	431.1	438.3	438.3	450.6	461.9	486.5	503.9	505.0	532.7	553.2	562.4
17.5°	444.4	441.3	445.4	452.6	470.1	493.7	522.4	525.5	557.3	585.0	598.4
20°	472.1	477.3	471.1	467.0	474.2	505.0	541.9	548.1	584.0	610.7	624.0
22.5°	575.8	571.7	547.0	518.3	506.0	520.4	560.4	574.8	616.8	648.7	659.9
25°	692.8	685.6	656.9	613.8	557.3	551.1	597.3	597.3	657.9	692.8	689.7
27.5°	803.6	801.6	767.7	722.5	642.5	598.4	627.1	638.4	704.1	732.8	719.5
30°	916.5	918.6	887.8	833.4	749.2	674.3	669.2	678.4	739.0	784.1	756.4
32.5°	1047.9	1029.4	1007.9	933.0	856.0	771.8	723.6	719.5	778.0	819.0	782.1
35°	1164.9	1153.6	1130.0	1062.3	974.0	873.4	805.7	795.4	827.2	881.6	841.6
37.5°	1267.5	1256.3	1225.5	1180.3	1111.5	999.7	904.2	888.8	902.2	959.6	911.4
40°	1355.8	1358.9	1350.7	1306.5	1242.9	1141.3	1031.5	1006.8	995.6	1046.9	992.5
42.5°	1419.4	1449.2	1451.3	1396.9	1345.5	1290.1	1167.0	1147.5	1120.8	1163.9	1125.9
45°	1552.9	1536.4	1546.7	1527.2	1470.8	1462.5	1323.0	1311.7	1274.7	1289.1	1249.1
47.5°	1657.6	1654.5	1674.0	1642.2	1626.8	1627.8	1500.5	1481.0	1428.7	1455.4	1410.2
50°	1718.1	1701.7	1772.5	1797.1	1794.1	1806.4	1680.1	1663.7	1613.4	1652.4	1555.9
52.5°	1732.5	1762.2	1829.0	1918.2	1956.2	1981.9	1876.2	1870.0	1815.6	1840.2	1706.8
55°	1768.4	1797.1	1836.1	1982.9	2123.5	2129.7	2069.1	2075.3	2027.0	2020.9	1850.5
57.5°	1767.4	1761.2	1869.0	2039.4	2234.4	2322.6	2289.8	2260.0	2207.7	2147.1	1942.9
60°	1702.7	1699.6	1811.5	2046.5	2294.9	2497.1	2510.4	2475.6	2344.2	2254.9	2051.7
62.5°	1574.4	1586.7	1699.6	1985.0	2352.4	2559.7	2609.0	2585.4	2422.2	2326.7	2180.0
65°	1427.7	1402.0	1533.4	1831.0	2223.1	2541.2	2648.0	2639.8	2514.6	2404.7	2298.0
67.5°	1145.4	1156.7	1257.3	1575.4	2002.4	2473.5	2739.3	2751.6	2588.5	2473.5	2333.9
70°	725.6	746.2	850.8	1138.2	1635.0	2260.0	2821.4	2857.4	2647.0	2467.3	2229.2
72.5°	211.4	219.6	362.3	567.6	1041.7	1812.5	2690.1	2708.5	2533.0	2239.5	1724.3
75°	69.8	73.9	106.7	184.7	408.5	937.1	1987.0	2074.3	2015.7	1623.7	986.3
77.5°	46.2	48.2	58.5	88.3	155.0	293.5	1065.3	1158.7	1136.2	760.5	318.2
80°	33.9	34.9	43.1	59.5	94.4	105.7	393.1	454.7	439.3	174.5	63.6
82.5°	21.6	21.6	31.8	42.1	59.5	52.3	113.9	126.2	123.2	66.7	24.6
85°	14.4	15.4	23.6	32.8	32.8	24.6	32.8	38.0	41.1	35.9	11.3
87.5°	4.1	5.1	13.3	22.6	13.3	12.3	11.3	12.3	14.4	19.5	6.2
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°	495.7	495.7	495.7	495.7	495.7	495.7	495.7	495.7	495.7	495.7	495.7
2.5°	495.7	499.8	498.8	500.9	497.8	494.7	497.8	497.8	497.8	494.7	492.6
5°	499.8	497.8	499.8	495.7	499.8	495.7	493.7	487.5	486.5	486.5	490.6
7.5°	506.0	508.0	498.8	498.8	489.6	491.6	486.5	487.5	485.5	482.4	480.3
10°	515.2	523.4	514.2	511.1	500.9	492.6	480.3	474.2	474.2	470.1	474.2
12.5°	540.9	537.8	532.7	522.4	510.1	493.7	463.9	434.1	409.5	391.0	400.3
15°	561.4	560.4	553.2	533.7	517.3	467.0	392.1	315.1	274.0	255.6	252.5
17.5°	593.2	590.2	577.8	552.2	497.8	386.9	268.9	204.2	164.2	155.0	151.9
20°	623.0	622.0	595.3	562.4	448.5	282.2	175.5	134.5	123.2	124.2	122.1
22.5°	654.8	649.7	617.9	550.1	357.2	187.8	125.2	120.1	116.0	115.0	117.0
25°	690.7	672.3	640.4	522.4	262.7	129.3	118.0	113.9	109.8	108.8	108.8
27.5°	705.1	692.8	650.7	455.7	166.3	112.9	110.8	105.7	100.6	97.5	96.5
30°	737.9	717.4	661.0	358.2	118.0	103.7	100.6	94.4	87.2	82.1	82.1
32.5°	770.8	746.2	662.0	250.4	98.5	93.4	88.3	80.1	70.8	65.7	66.7
35°	811.8	778.0	650.7	162.2	88.3	82.1	71.8	62.6	54.4	50.3	50.3
37.5°	881.6	849.8	604.5	106.7	80.1	69.8	59.5	49.3	42.1	39.0	39.0
40°	969.9	928.8	540.9	84.2	70.8	59.5	47.2	38.0	33.9	30.8	30.8
42.5°	1075.6	1024.3	446.5	74.9	62.6	49.3	36.9	29.8	25.7	25.7	24.6
45°	1181.3	1097.2	350.0	68.8	55.4	41.1	28.7	23.6	21.6	20.5	20.5
47.5°	1332.2	1185.4	250.4	62.6	48.2	31.8	23.6	19.5	17.4	16.4	17.4
50°	1476.9	1268.6	177.6	56.4	40.0	25.7	19.5	17.4	15.4	14.4	14.4
52.5°	1604.2	1326.0	124.2	49.3	33.9	21.6	17.4	15.4	14.4	13.3	13.3
55°	1674.0	1306.5	85.2	42.1	27.7	18.5	15.4	13.3	12.3	11.3	11.3
57.5°	1745.8	1252.1	64.7	34.9	22.6	17.4	14.4	12.3	11.3	10.3	10.3
60°	1806.4	1212.1	50.3	27.7	18.5	14.4	12.3	10.3	9.2	8.2	7.2
62.5°	1809.5	1132.1	36.9	20.5	14.4	12.3	10.3	8.2	5.1	4.1	3.1
65°	1821.8	1047.9	26.7	15.4	10.3	9.2	7.2	4.1	2.1	0.0	0.0
67.5°	1778.7	948.3	21.6	11.3	7.2	5.1	3.1	1.0	0.0	0.0	0.0
70°	1603.2	800.6	16.4	8.2	5.1	3.1	1.0	0.0	0.0	0.0	0.0
72.5°	1147.5	520.4	11.3	6.2	2.1	1.0	0.0	0.0	0.0	0.0	0.0
75°	611.7	221.7	8.2	4.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	191.9	56.4	5.1	2.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	42.1	15.4	3.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	14.4	6.2	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	5.1	2.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.1	1.0	1.0	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)