

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: P676501

Luminaire Tested: **CCW-SA-2A-850-U-T3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676501
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2A-850-U-T3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @350mA w/
T3 distribution lens and House Side Shield
Light Source: (32) 5000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

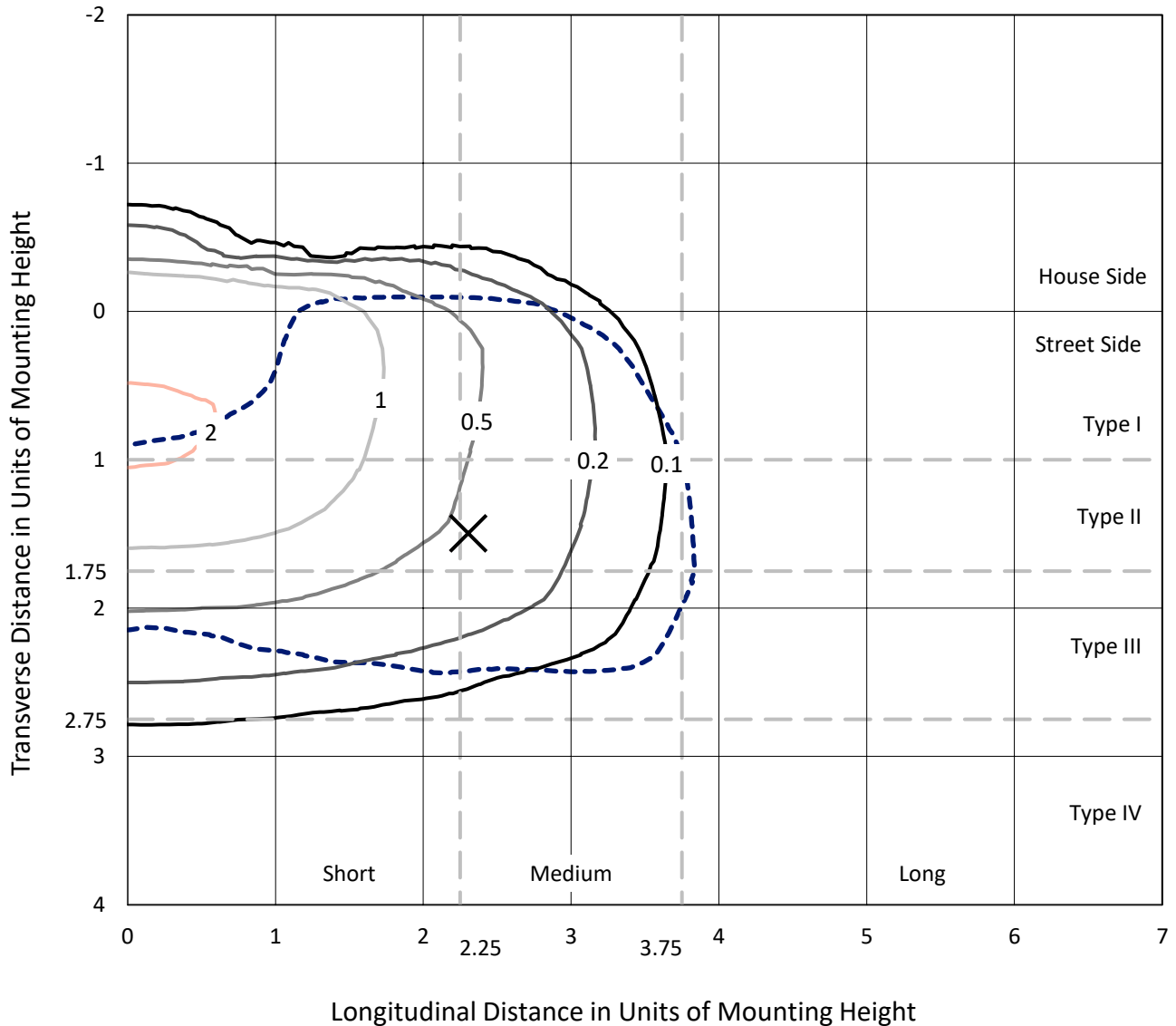
Lumens per Lamp: N/A
Luminaire Lumens: 3439.6 lumens
Efficiency: N/A
Efficacy: 95.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 36.2
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

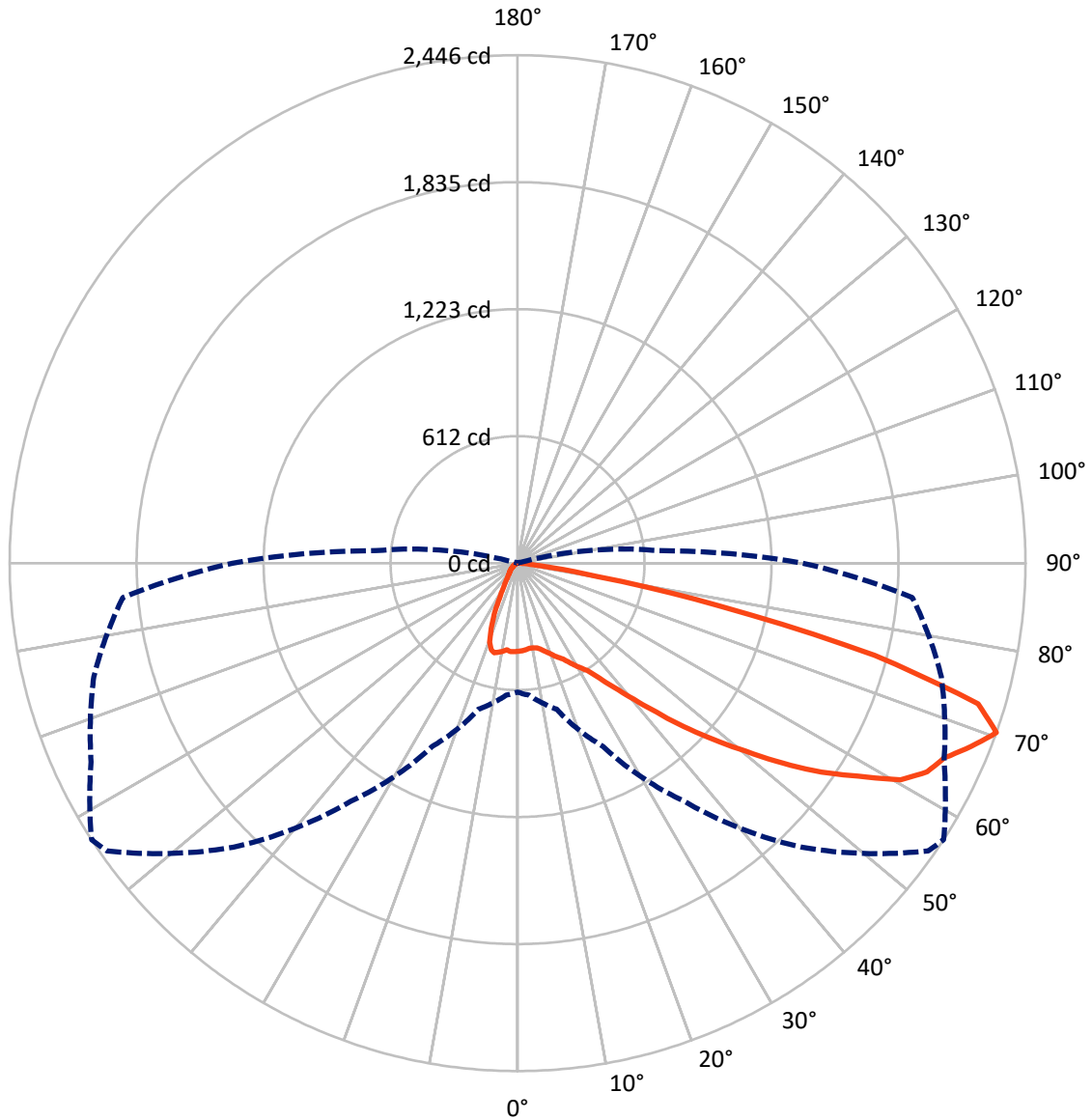
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.4 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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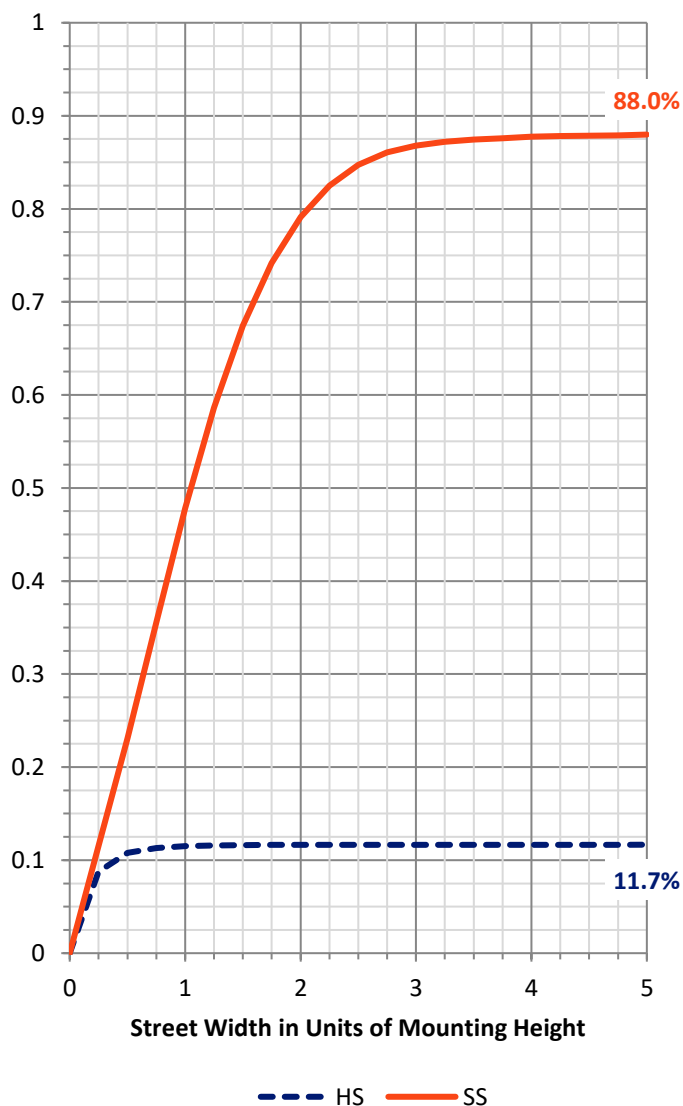
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	405.4	0.0	405.4
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	3034.2	0.0	3034.2
	% Fixture	88.2	0.0	88.2
Total	Lumens	3439.6	0.0	3439.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.7	1.2
10°-20°	110.9	3.2
20°-30°	186.8	5.4
30°-40°	319.7	9.3
40°-50°	536.8	15.6
50°-60°	823.9	24.0
60°-70°	951.3	27.7
70°-80°	449.4	13.1
80°-90°	21.3	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°	3439.6	100.0
0°-180°	3439.6	100.0

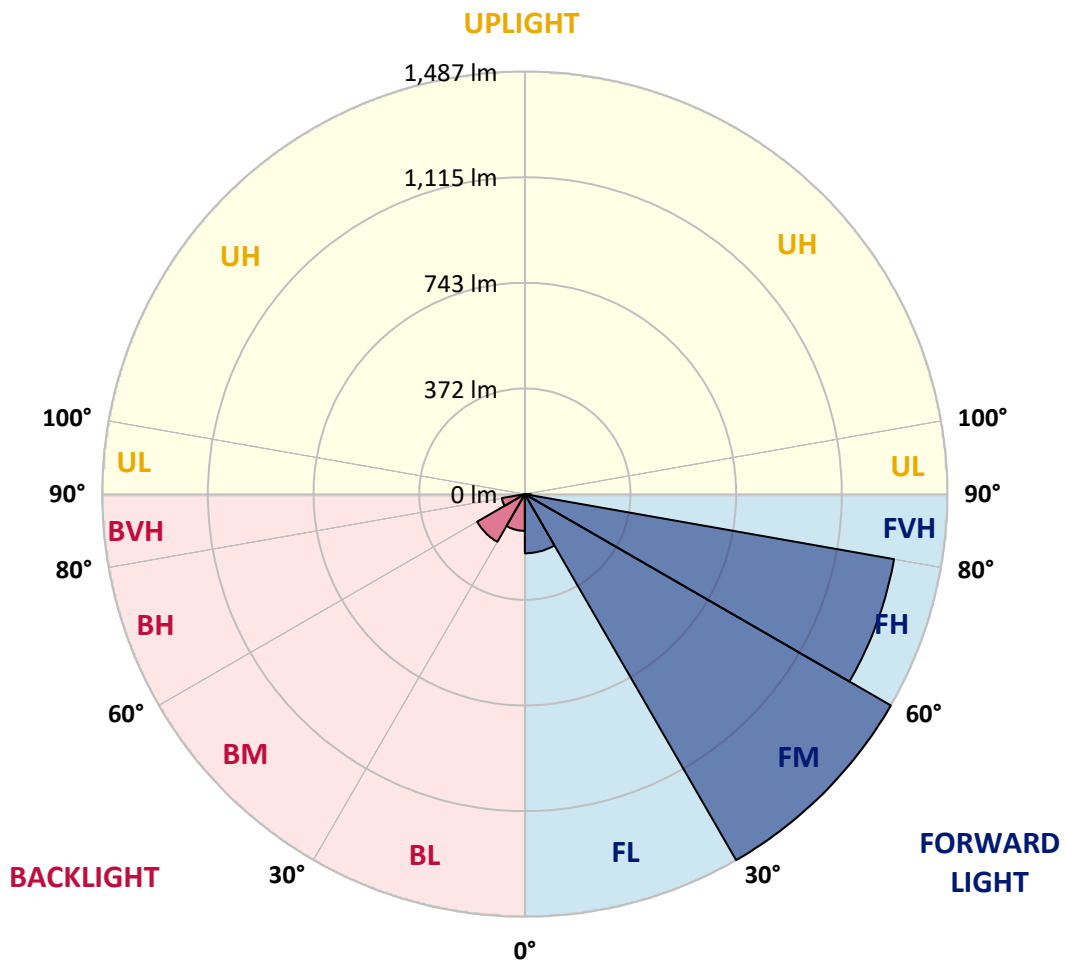


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	208.1	6.0			
FM (30°-60°)	1486.6	43.2			
FH (60°-80°)	1318.6	38.3			G1/1800
FVH (80°-90°)	20.9	0.6			G1/100
BL (0°-30°)	129.3	3.8	B1/500		
BM (30°-60°)	193.8	5.6	B0/220		
BH (60°-80°)	82.0	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°	424.4	424.4	424.4	424.4	424.4	424.4	424.4	424.4	424.4	424.4	424.4
2.5°	418.3	415.6	418.3	421.8	418.3	420.9	420.0	422.6	419.1	419.1	421.8
5°	391.0	395.4	397.2	401.6	406.0	413.9	419.1	419.1	424.4	427.0	430.6
7.5°	381.4	374.3	381.4	384.9	389.3	402.4	410.3	413.9	420.9	430.6	435.8
10°	367.3	372.6	372.6	384.0	390.1	398.0	412.1	414.7	430.6	440.2	445.5
12.5°	366.4	366.4	370.8	378.7	391.0	406.0	423.5	418.3	435.0	452.5	461.3
15°	369.0	375.2	375.2	385.7	395.4	416.5	431.4	432.3	456.0	473.6	481.5
17.5°	380.5	377.8	381.4	387.5	402.4	422.6	447.3	449.9	477.1	500.9	512.3
20°	404.2	408.6	403.3	399.8	406.0	432.3	463.9	469.2	500.0	522.8	534.2
22.5°	492.9	489.4	468.3	443.7	433.2	445.5	479.8	492.1	528.1	555.3	565.0
25°	593.1	587.0	562.4	525.5	477.1	471.9	511.4	511.4	563.2	593.1	590.5
27.5°	688.0	686.3	657.3	618.6	550.1	512.3	536.9	546.5	602.8	627.4	616.0
30°	784.7	786.4	760.1	713.5	641.4	577.3	572.9	580.8	632.7	671.3	647.6
32.5°	897.1	881.3	862.9	798.7	732.8	660.8	619.5	616.0	666.0	701.2	669.6
35°	997.3	987.6	967.4	909.4	833.9	747.8	689.8	681.0	708.2	754.8	720.5
37.5°	1085.2	1075.5	1049.2	1010.5	951.6	855.8	774.1	760.9	772.4	821.6	780.3
40°	1160.7	1163.4	1156.4	1118.6	1064.1	977.1	883.1	862.0	852.3	896.3	849.7
42.5°	1215.2	1240.7	1242.5	1195.9	1152.0	1104.5	999.1	982.4	959.5	996.4	963.9
45°	1329.5	1315.4	1324.2	1307.5	1259.2	1252.1	1132.6	1123.0	1091.3	1103.6	1069.4
47.5°	1419.1	1416.4	1433.1	1405.9	1392.7	1393.6	1284.6	1267.9	1223.1	1246.0	1207.3
50°	1470.9	1456.9	1517.5	1538.6	1535.9	1546.5	1438.4	1424.4	1381.3	1414.7	1332.1
52.5°	1483.2	1508.7	1565.8	1642.3	1674.8	1696.7	1606.2	1601.0	1554.4	1575.5	1461.3
55°	1514.0	1538.6	1572.0	1697.6	1818.0	1823.3	1771.4	1776.7	1735.4	1730.1	1584.3
57.5°	1513.1	1507.8	1600.1	1746.0	1912.9	1988.5	1960.4	1934.9	1890.1	1838.2	1663.4
60°	1457.7	1455.1	1550.9	1752.1	1964.7	2137.8	2149.3	2119.4	2006.9	1930.5	1756.5
62.5°	1347.9	1358.5	1455.1	1699.4	2014.0	2191.4	2233.6	2213.4	2073.7	1992.0	1866.3
65°	1222.3	1200.3	1312.8	1567.6	1903.2	2175.6	2267.0	2260.0	2152.8	2058.8	1967.4
67.5°	980.6	990.3	1076.4	1348.8	1714.3	2117.6	2345.2	2355.8	2216.1	2117.6	1998.1
70°	621.2	638.8	728.4	974.5	1399.7	1934.9	2415.5	2446.3	2266.1	2112.4	1908.5
72.5°	181.0	188.0	310.2	485.9	891.9	1551.8	2303.0	2318.9	2168.6	1917.3	1476.2
75°	59.8	63.3	91.4	158.2	349.7	802.2	1701.1	1775.8	1725.7	1390.1	844.4
77.5°	39.5	41.3	50.1	75.6	132.7	251.3	912.1	992.0	972.7	651.1	272.4
80°	29.0	29.9	36.9	51.0	80.8	90.5	336.5	389.3	376.1	149.4	54.5
82.5°	18.5	18.5	27.2	36.0	51.0	44.8	97.5	108.1	105.4	57.1	21.1
85°	12.3	13.2	20.2	28.1	28.1	21.1	28.1	32.5	35.1	30.8	9.7
87.5°	3.5	4.4	11.4	19.3	11.4	10.5	9.7	10.5	12.3	16.7	5.3
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°	424.4	424.4	424.4	424.4	424.4	424.4	424.4	424.4	424.4	424.4	424.4
2.5°	424.4	427.9	427.0	428.8	426.2	423.5	426.2	426.2	426.2	423.5	421.8
5°	427.9	426.2	427.9	424.4	427.9	424.4	422.6	417.4	416.5	416.5	420.0
7.5°	433.2	435.0	427.0	427.0	419.1	420.9	416.5	417.4	415.6	413.0	411.2
10°	441.1	448.1	440.2	437.6	428.8	421.8	411.2	406.0	406.0	402.4	406.0
12.5°	463.1	460.4	456.0	447.3	436.7	422.6	397.2	371.7	350.6	334.8	342.7
15°	480.6	479.8	473.6	456.9	442.9	399.8	335.7	269.8	234.6	218.8	216.2
17.5°	507.9	505.2	494.7	472.7	426.2	331.3	230.2	174.9	140.6	132.7	130.0
20°	533.4	532.5	509.6	481.5	384.0	241.6	150.3	115.1	105.4	106.3	104.6
22.5°	560.6	556.2	529.0	471.0	305.8	160.8	107.2	102.8	99.3	98.4	100.2
25°	591.4	575.5	548.3	447.3	224.9	110.7	101.0	97.5	94.0	93.1	93.1
27.5°	603.7	593.1	557.1	390.1	142.3	96.7	94.9	90.5	86.1	83.5	82.6
30°	631.8	614.2	565.9	306.7	101.0	88.7	86.1	80.8	74.7	70.3	70.3
32.5°	659.9	638.8	566.8	214.4	84.4	80.0	75.6	68.5	60.6	56.2	57.1
35°	695.0	666.0	557.1	138.8	75.6	70.3	61.5	53.6	46.6	43.1	43.1
37.5°	754.8	727.6	517.5	91.4	68.5	59.8	51.0	42.2	36.0	33.4	33.4
40°	830.4	795.2	463.1	72.1	60.6	51.0	40.4	32.5	29.0	26.4	26.4
42.5°	920.9	876.9	382.2	64.1	53.6	42.2	31.6	25.5	22.0	22.0	21.1
45°	1011.4	939.3	299.6	58.9	47.4	35.1	24.6	20.2	18.5	17.6	17.6
47.5°	1140.5	1014.9	214.4	53.6	41.3	27.2	20.2	16.7	14.9	14.1	14.9
50°	1264.4	1086.1	152.0	48.3	34.3	22.0	16.7	14.9	13.2	12.3	12.3
52.5°	1373.4	1135.3	106.3	42.2	29.0	18.5	14.9	13.2	12.3	11.4	11.4
55°	1433.1	1118.6	72.9	36.0	23.7	15.8	13.2	11.4	10.5	9.7	9.7
57.5°	1494.6	1072.0	55.4	29.9	19.3	14.9	12.3	10.5	9.7	8.8	8.8
60°	1546.5	1037.7	43.1	23.7	15.8	12.3	10.5	8.8	7.9	7.0	6.2
62.5°	1549.1	969.2	31.6	17.6	12.3	10.5	8.8	7.0	4.4	3.5	2.6
65°	1559.7	897.1	22.8	13.2	8.8	7.9	6.2	3.5	1.8	0.0	0.0
67.5°	1522.8	811.9	18.5	9.7	6.2	4.4	2.6	0.9	0.0	0.0	0.0
70°	1372.5	685.4	14.1	7.0	4.4	2.6	0.9	0.0	0.0	0.0	0.0
72.5°	982.4	445.5	9.7	5.3	1.8	0.9	0.0	0.0	0.0	0.0	0.0
75°	523.7	189.8	7.0	3.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	164.3	48.3	4.4	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0
80°	36.0	13.2	2.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	12.3	5.3	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.4	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.8	0.9	0.9	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)