

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: P676470

Luminaire Tested: **CCW-SA-2C-830-U-T3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676470
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-830-U-T3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
T3 distribution lens and House Side Shield
Light Source: (32) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

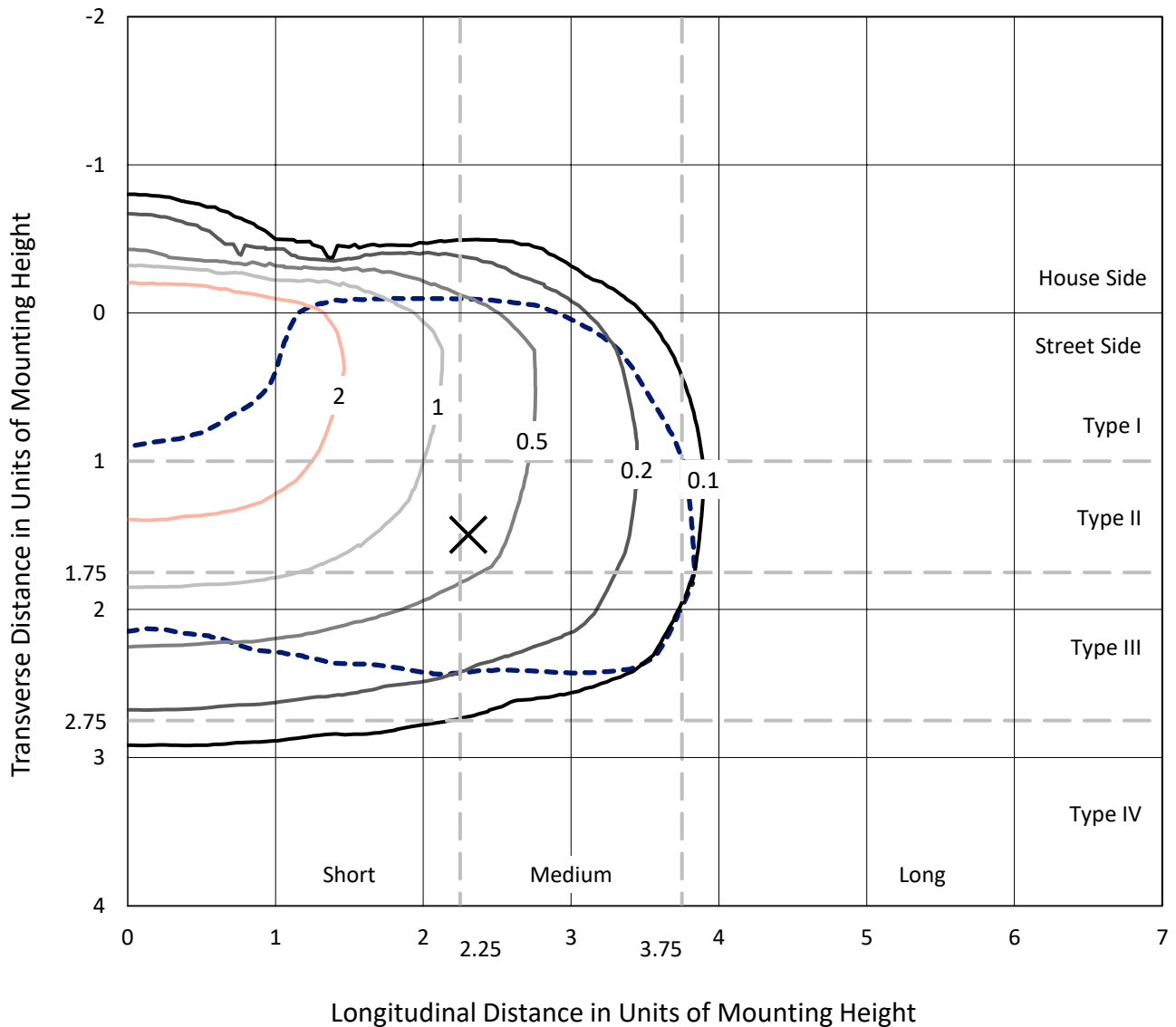
Lumens per Lamp: N/A
Luminaire Lumens: 5175.7 lumens
Efficiency: N/A
Efficacy: 83.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1
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

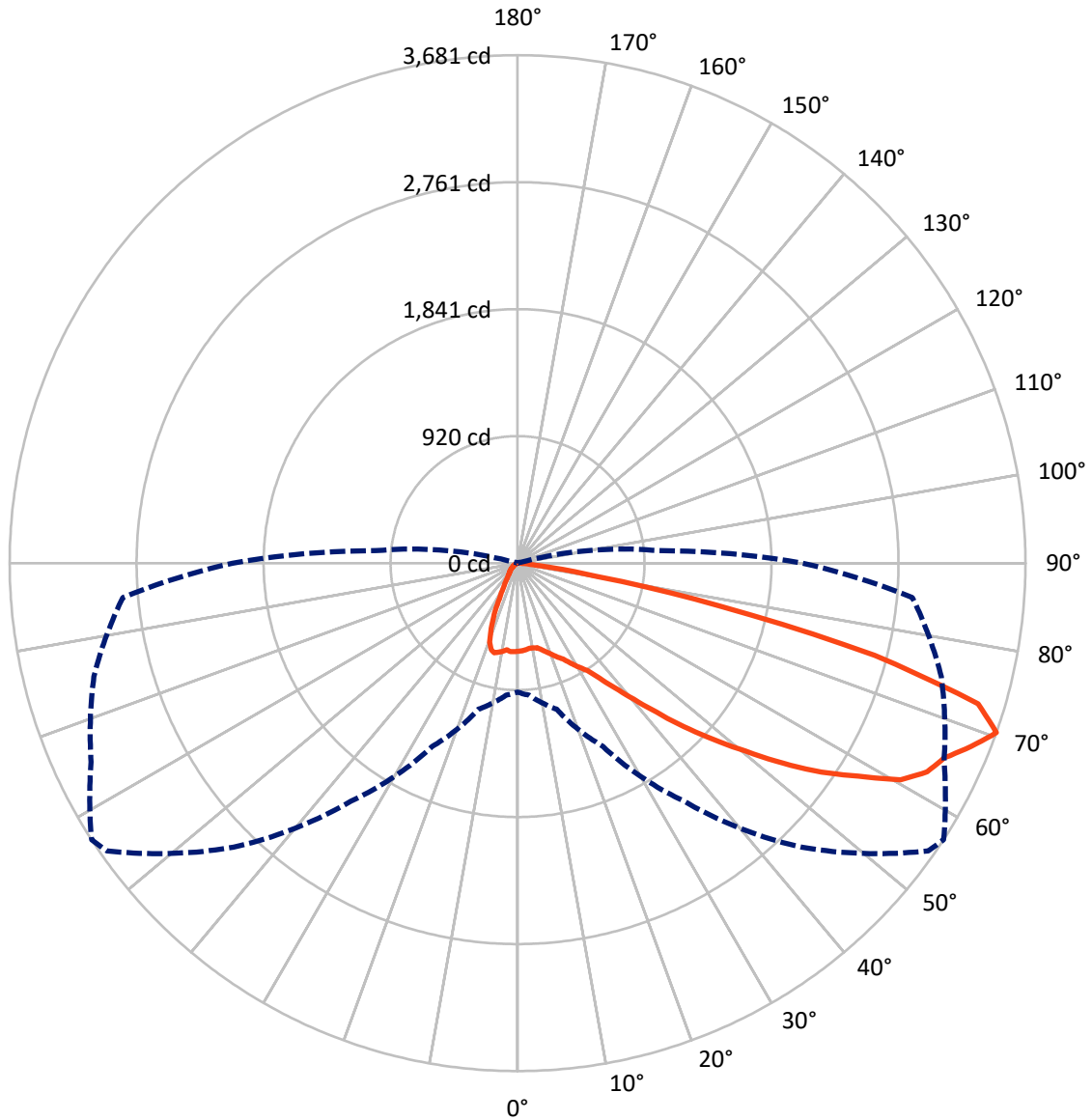
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.6 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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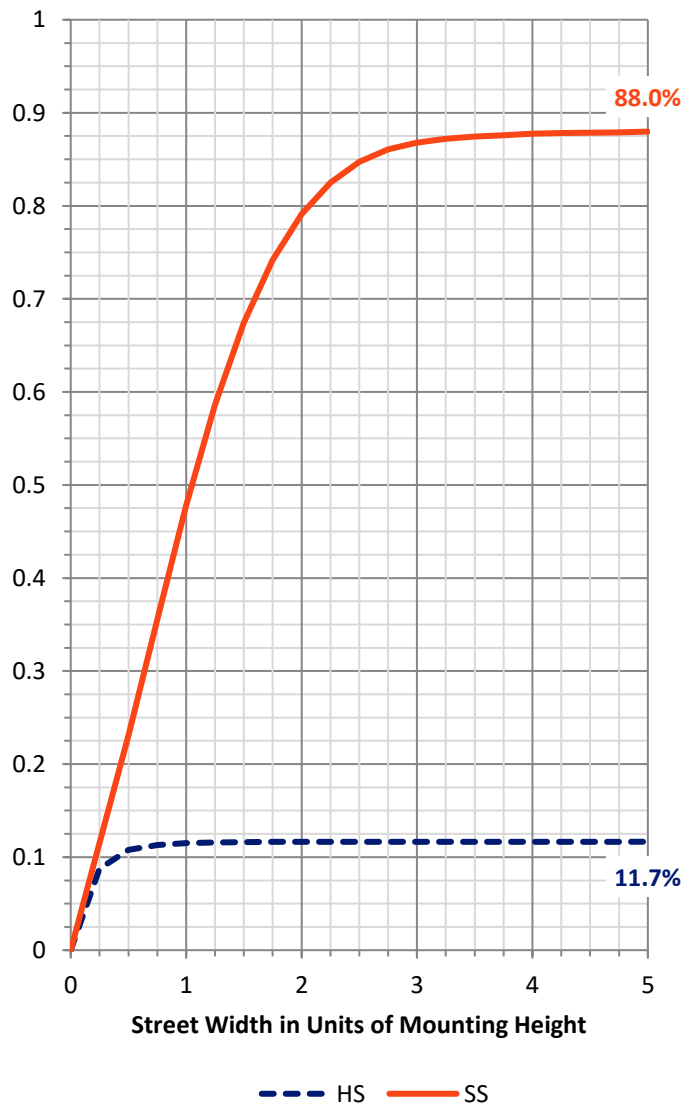
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	610.1	0.0	610.1
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	4565.6	0.0	4565.6
	% Fixture	88.2	0.0	88.2
Total	Lumens	5175.7	0.0	5175.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.7	1.2
10°-20°	166.9	3.2
20°-30°	281.1	5.4
30°-40°	481.0	9.3
40°-50°	807.7	15.6
50°-60°	1239.8	24.0
60°-70°	1431.4	27.7
70°-80°	676.1	13.1
80°-90°	32.1	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°	5175.7	100.0
0°-180°	5175.7	100.0



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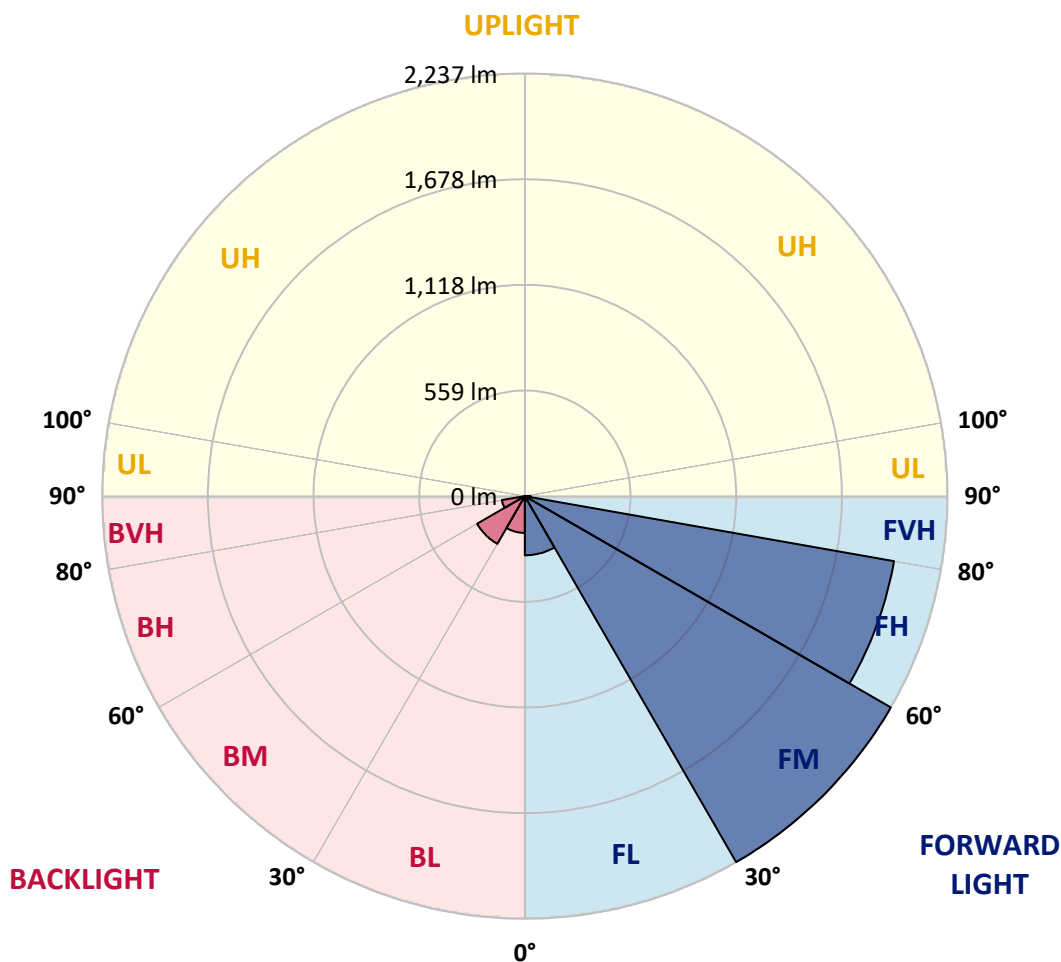
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	313.1	6.0			
FM (30°-60°)	2236.9	43.2			
FH (60°-80°)	1984.2	38.3			G2/5000
FVH (80°-90°)	31.5	0.6			G1/100
BL (0°-30°)	194.5	3.8	B1/500		
BM (30°-60°)	291.6	5.6	B1/1000		
BH (60°-80°)	123.4	2.4	B1/500		G1/500
BVH (80°-90°)	0.6	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	638.6	638.6	638.6	638.6	638.6	638.6	638.6	638.6	638.6	638.6	638.6
2.5°	629.4	625.4	629.4	634.6	629.4	633.3	632.0	636.0	630.7	630.7	634.6
5°	588.4	595.0	597.6	604.2	610.9	622.7	630.7	630.7	638.6	642.6	647.9
7.5°	573.8	563.3	573.8	579.1	585.7	605.6	617.5	622.7	633.3	647.9	655.8
10°	552.7	560.6	560.6	577.8	587.1	599.0	620.1	624.1	647.9	662.4	670.3
12.5°	551.4	551.4	558.0	569.9	588.4	610.9	637.3	629.4	654.5	680.9	694.1
15°	555.3	564.6	564.6	580.4	595.0	626.7	649.2	650.5	686.2	712.7	724.6
17.5°	572.5	568.5	573.8	583.1	605.6	636.0	673.0	677.0	717.9	753.6	770.8
20°	608.2	614.8	606.9	601.6	610.9	650.5	698.1	706.0	752.3	786.7	803.9
22.5°	741.7	736.5	704.7	667.7	651.8	670.3	721.9	740.4	794.6	835.6	850.2
25°	892.5	883.2	846.2	790.7	717.9	710.0	769.5	769.5	847.5	892.5	888.5
27.5°	1035.3	1032.6	989.0	930.8	827.7	770.8	807.9	822.4	907.0	944.0	926.9
30°	1180.7	1183.4	1143.7	1073.6	965.2	868.7	862.1	874.0	952.0	1010.2	974.5
32.5°	1350.0	1326.2	1298.4	1201.9	1102.7	994.3	932.1	926.9	1002.2	1055.1	1007.5
35°	1500.7	1486.1	1455.7	1368.5	1254.8	1125.2	1037.9	1024.7	1065.7	1135.8	1084.2
37.5°	1632.9	1618.4	1578.7	1520.5	1431.9	1287.8	1164.8	1145.0	1162.2	1236.2	1174.1
40°	1746.6	1750.6	1740.0	1683.1	1601.2	1470.3	1328.8	1297.1	1282.5	1348.6	1278.6
42.5°	1828.6	1866.9	1869.6	1799.5	1733.4	1662.0	1503.3	1478.2	1443.8	1499.4	1450.4
45°	2000.5	1979.3	1992.5	1967.4	1894.7	1884.1	1704.3	1689.8	1642.2	1660.7	1609.1
47.5°	2135.3	2131.4	2156.5	2115.5	2095.7	2097.0	1933.0	1907.9	1840.5	1874.9	1816.7
50°	2213.3	2192.2	2283.4	2315.1	2311.2	2327.0	2164.4	2143.3	2078.5	2128.7	2004.4
52.5°	2231.9	2270.2	2356.1	2471.2	2520.1	2553.1	2417.0	2409.0	2338.9	2370.7	2198.8
55°	2278.1	2315.1	2365.4	2554.5	2735.6	2743.5	2665.5	2673.5	2611.3	2603.4	2383.9
57.5°	2276.8	2268.9	2407.7	2627.2	2878.4	2992.1	2949.8	2911.5	2844.0	2766.0	2502.9
60°	2193.5	2189.5	2333.7	2636.4	2956.4	3216.9	3234.1	3189.1	3019.9	2904.8	2643.1
62.5°	2028.2	2044.1	2189.5	2557.1	3030.5	3297.5	3361.0	3330.6	3120.4	2997.4	2808.3
65°	1839.2	1806.1	1975.3	2358.8	2863.9	3273.7	3411.2	3400.7	3239.4	3097.9	2960.4
67.5°	1475.6	1490.1	1619.7	2029.6	2579.6	3186.5	3528.9	3544.8	3334.6	3186.5	3006.7
70°	934.8	961.2	1096.1	1466.3	2106.2	2911.5	3634.7	3681.0	3409.9	3178.5	2871.8
72.5°	272.4	282.9	466.7	731.2	1342.0	2335.0	3465.5	3489.3	3263.2	2885.0	2221.3
75°	89.9	95.2	137.5	238.0	526.2	1207.2	2559.8	2672.1	2596.8	2091.7	1270.6
77.5°	59.5	62.1	75.4	113.7	199.7	378.1	1372.4	1492.7	1463.7	979.7	409.9
80°	43.6	45.0	55.5	76.7	121.6	136.2	506.4	585.7	565.9	224.8	82.0
82.5°	27.8	27.8	41.0	54.2	76.7	67.4	146.8	162.6	158.7	85.9	31.7
85°	18.5	19.8	30.4	42.3	42.3	31.7	42.3	48.9	52.9	46.3	14.5
87.5°	5.3	6.6	17.2	29.1	17.2	15.9	14.5	15.9	18.5	25.1	7.9
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°	638.6	638.6	638.6	638.6	638.6	638.6	638.6	638.6	638.6	638.6	638.6
2.5°	638.6	643.9	642.6	645.2	641.3	637.3	641.3	641.3	641.3	637.3	634.6
5°	643.9	641.3	643.9	638.6	643.9	638.6	636.0	628.0	626.7	626.7	632.0
7.5°	651.8	654.5	642.6	642.6	630.7	633.3	626.7	628.0	625.4	621.4	618.8
10°	663.7	674.3	662.4	658.4	645.2	634.6	618.8	610.9	610.9	605.6	610.9
12.5°	696.8	692.8	686.2	673.0	657.1	636.0	597.6	559.3	527.6	503.8	515.7
15°	723.2	721.9	712.7	687.5	666.4	601.6	505.1	405.9	353.0	329.2	325.3
17.5°	764.2	760.3	744.4	711.3	641.3	498.5	346.4	263.1	211.5	199.7	195.7
20°	802.6	801.2	766.9	724.6	577.8	363.6	226.1	173.2	158.7	160.0	157.3
22.5°	843.6	836.9	796.0	708.7	460.1	242.0	161.3	154.7	149.4	148.1	150.7
25°	889.8	866.0	825.0	673.0	338.5	166.6	152.1	146.8	141.5	140.2	140.2
27.5°	908.3	892.5	838.3	587.1	214.2	145.4	142.8	136.2	129.6	125.6	124.3
30°	950.7	924.2	851.5	461.4	152.1	133.5	129.6	121.6	112.4	105.8	105.8
32.5°	993.0	961.2	852.8	322.6	126.9	120.3	113.7	103.1	91.2	84.6	85.9
35°	1045.8	1002.2	838.3	208.9	113.7	105.8	92.6	80.7	70.1	64.8	64.8
37.5°	1135.8	1094.8	778.8	137.5	103.1	89.9	76.7	63.5	54.2	50.2	50.2
40°	1249.5	1196.6	696.8	108.4	91.2	76.7	60.8	48.9	43.6	39.7	39.7
42.5°	1385.7	1319.5	575.2	96.5	80.7	63.5	47.6	38.3	33.1	33.1	31.7
45°	1521.8	1413.4	450.9	88.6	71.4	52.9	37.0	30.4	27.8	26.4	26.4
47.5°	1716.2	1527.1	322.6	80.7	62.1	41.0	30.4	25.1	22.5	21.2	22.5
50°	1902.6	1634.2	228.7	72.7	51.6	33.1	25.1	22.5	19.8	18.5	18.5
52.5°	2066.6	1708.3	160.0	63.5	43.6	27.8	22.5	19.8	18.5	17.2	17.2
55°	2156.5	1683.1	109.7	54.2	35.7	23.8	19.8	17.2	15.9	14.5	14.5
57.5°	2249.0	1613.1	83.3	45.0	29.1	22.5	18.5	15.9	14.5	13.2	13.2
60°	2327.0	1561.5	64.8	35.7	23.8	18.5	15.9	13.2	11.9	10.6	9.3
62.5°	2331.0	1458.4	47.6	26.4	18.5	15.9	13.2	10.6	6.6	5.3	4.0
65°	2346.9	1350.0	34.4	19.8	13.2	11.9	9.3	5.3	2.6	0.0	0.0
67.5°	2291.3	1221.7	27.8	14.5	9.3	6.6	4.0	1.3	0.0	0.0	0.0
70°	2065.3	1031.3	21.2	10.6	6.6	4.0	1.3	0.0	0.0	0.0	0.0
72.5°	1478.2	670.3	14.5	7.9	2.6	1.3	0.0	0.0	0.0	0.0	0.0
75°	788.0	285.6	10.6	5.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	247.2	72.7	6.6	2.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0
80°	54.2	19.8	4.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	18.5	7.9	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	6.6	2.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.6	1.3	1.3	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)