

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: P676997

Luminaire Tested: **CCW-SA-1D-740-U-SL3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676997
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-SL3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @800mA w/
SL3 distribution lens and House Side Shield
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

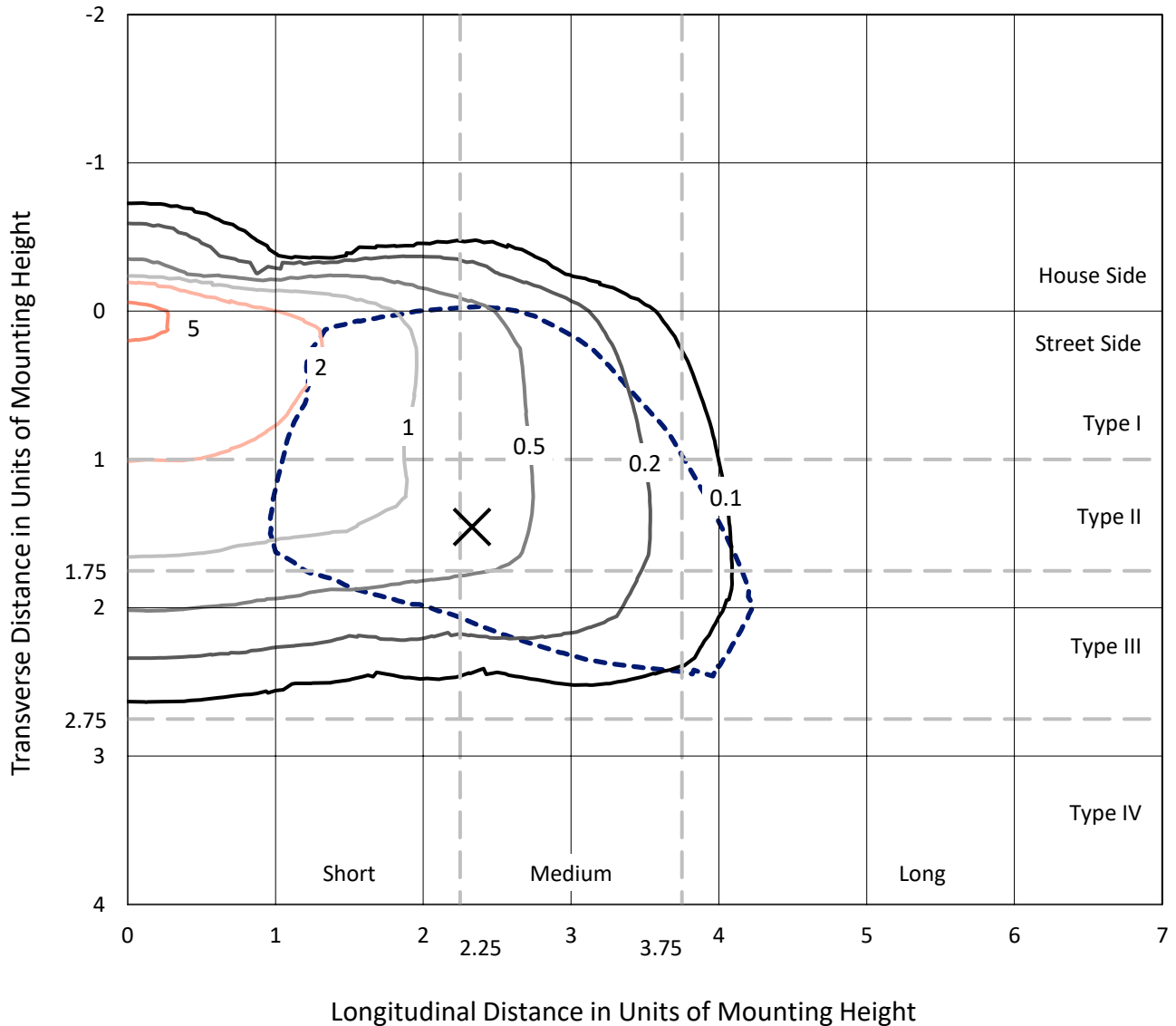
Lumens per Lamp: N/A
Luminaire Lumens: 4608.4 lumens
Efficiency: N/A
Efficacy: 104.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 44
Input Voltage (V): 120
Input Current (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

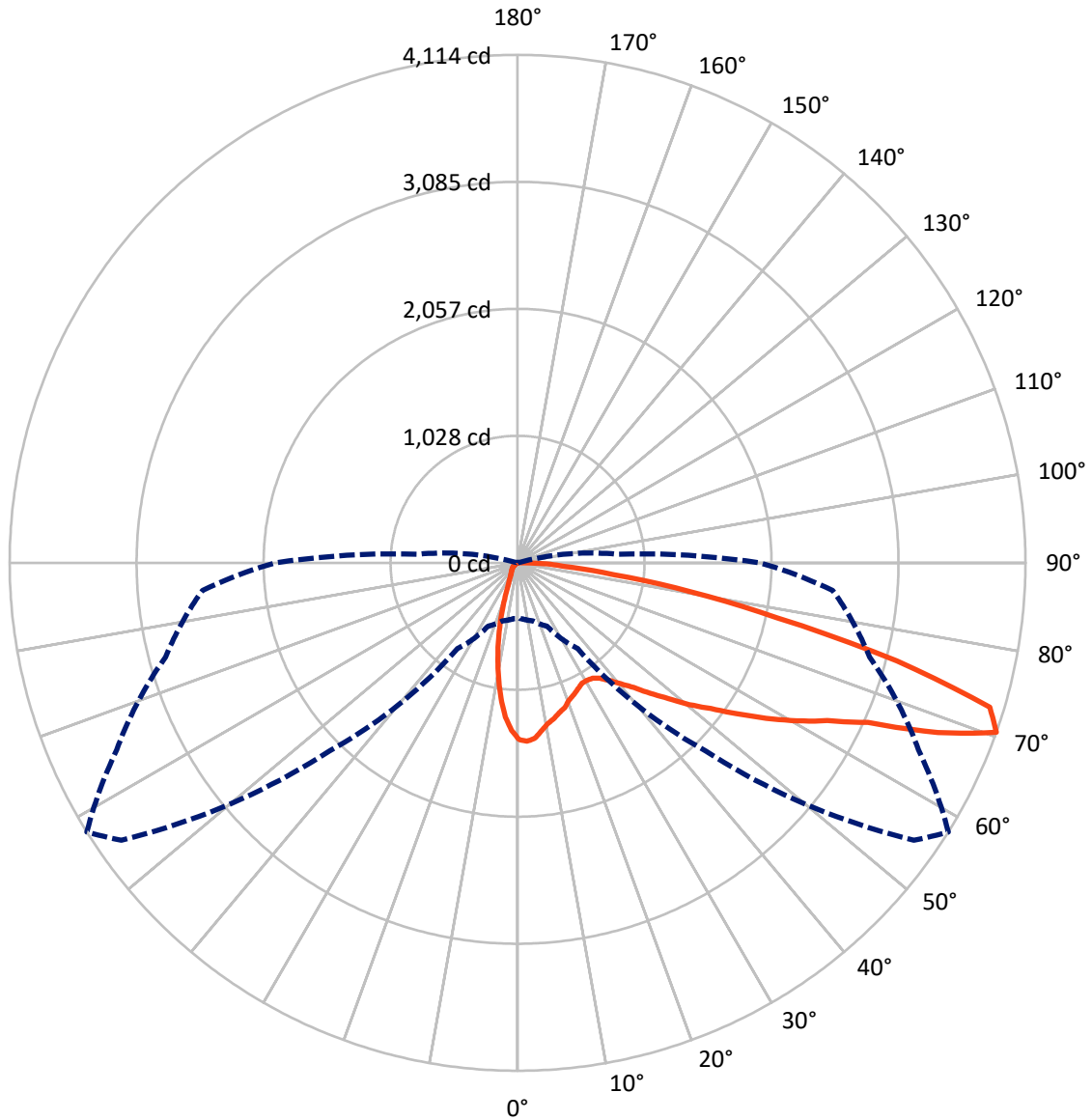
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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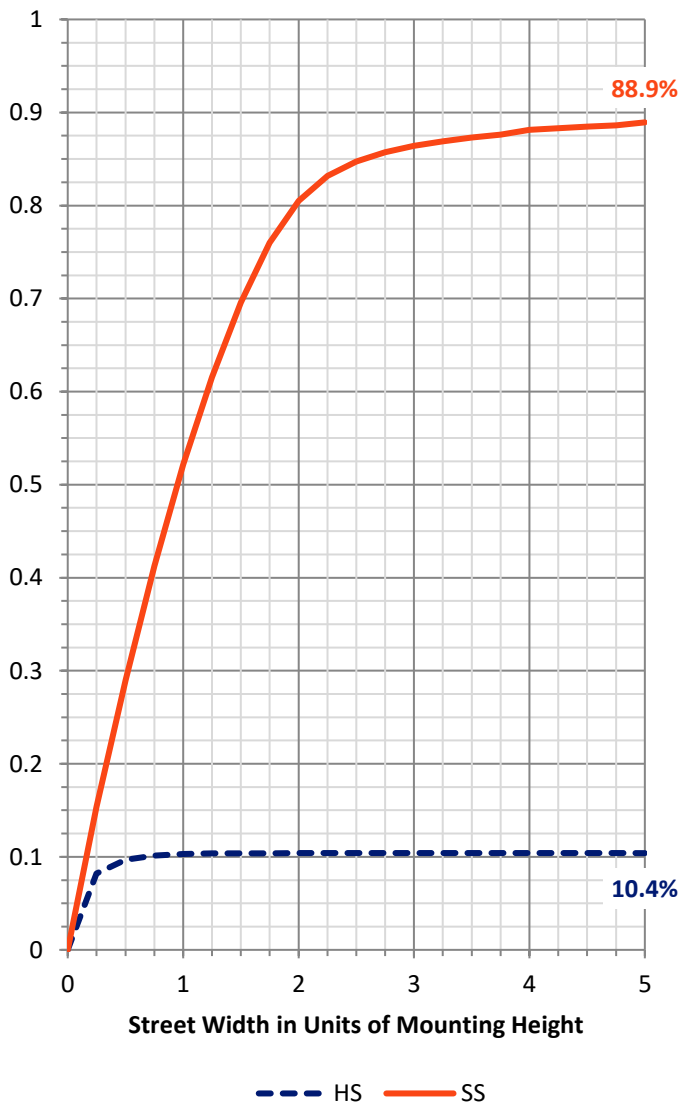
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	482.6	0.0	482.6
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	4125.9	0.0	4125.9
	% Fixture	89.5	0.0	89.5
Total	Lumens	4608.4	0.0	4608.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.7	2.5
10°-20°	243.0	5.3
20°-30°	325.4	7.1
30°-40°	439.9	9.5
40°-50°	631.3	13.7
50°-60°	930.3	20.2
60°-70°	1134.8	24.6
70°-80°	692.9	15.0
80°-90°	94.1	2.0
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°	4608.4	100.0
0°-180°	4608.4	100.0

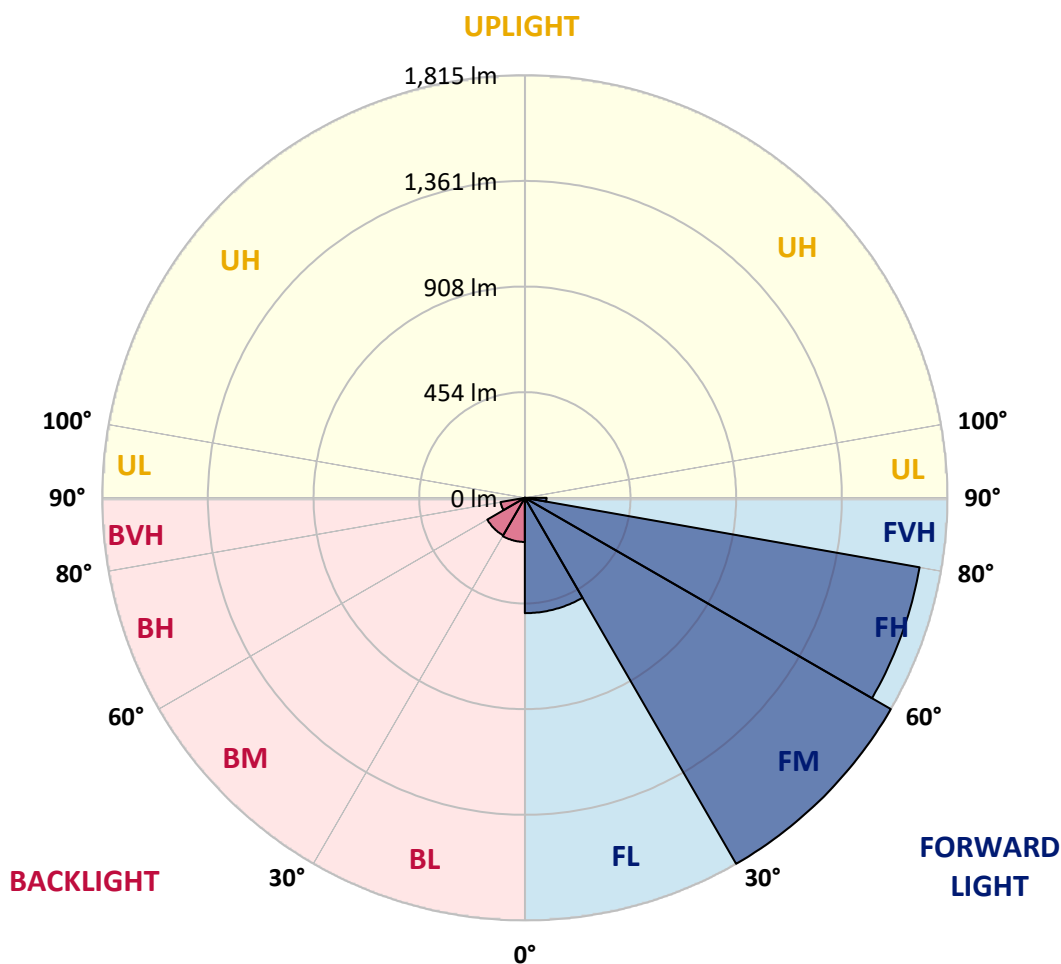


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	495.5	10.8			
FM (30°-60°)	1815.2	39.4			
FH (60°-80°)	1721.9	37.4			G1/1800
FVH (80°-90°)	93.2	2.0			G1/100
BL (0°-30°)	189.7	4.1	B1/500		
BM (30°-60°)	186.3	4.0	B0/220		
BH (60°-80°)	105.8	2.3	B0/110		G0/110
BVH (80°-90°)	0.9	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°	58°	65°	75°	85°
0°	1430.6	1430.6	1430.6	1430.6	1430.6	1430.6	1430.6	1430.6	1430.6	1430.6	1430.6
2.5°	1456.5	1461.9	1449.0	1464.1	1450.0	1456.5	1449.0	1446.8	1447.9	1449.0	1440.3
5°	1388.5	1401.4	1406.8	1398.2	1418.7	1415.5	1428.4	1429.5	1424.1	1418.7	1419.8
7.5°	1298.8	1311.7	1317.1	1322.5	1343.1	1370.1	1387.4	1376.6	1385.2	1404.7	1375.5
10°	1233.9	1230.7	1229.6	1240.4	1279.3	1302.0	1331.2	1328.0	1349.6	1367.9	1344.2
12.5°	1154.0	1147.5	1167.0	1175.6	1210.2	1250.2	1272.8	1296.6	1318.2	1337.7	1310.7
15°	1094.6	1100.0	1107.5	1125.9	1150.7	1203.7	1237.2	1259.9	1298.8	1308.5	1297.7
17.5°	1047.0	1051.3	1062.1	1071.9	1103.2	1154.0	1206.9	1233.9	1275.0	1300.9	1267.4
20°	1048.1	1035.1	1035.1	1044.9	1062.1	1122.7	1178.8	1187.5	1243.7	1288.0	1265.3
22.5°	1049.2	1044.9	1035.1	1034.1	1041.6	1084.8	1142.1	1161.6	1222.1	1273.9	1246.9
25°	1064.3	1048.1	1049.2	1034.1	1037.3	1058.9	1104.3	1133.5	1202.6	1281.5	1237.2
27.5°	1077.3	1084.8	1069.7	1063.2	1044.9	1043.8	1081.6	1106.4	1192.9	1298.8	1243.7
30°	1106.4	1111.8	1111.8	1107.5	1090.2	1065.4	1074.0	1105.4	1173.4	1295.5	1232.9
32.5°	1155.1	1145.3	1158.3	1151.8	1129.1	1090.2	1097.8	1114.0	1185.3	1336.6	1250.2
35°	1171.3	1178.8	1196.1	1182.1	1174.5	1151.8	1136.7	1148.6	1202.6	1377.7	1276.1
37.5°	1221.0	1210.2	1222.1	1253.4	1261.0	1219.9	1190.7	1208.0	1267.4	1426.3	1299.9
40°	1225.3	1233.9	1255.6	1317.1	1324.7	1307.4	1283.6	1288.0	1332.3	1488.9	1359.3
42.5°	1246.9	1256.6	1300.9	1352.8	1393.9	1397.1	1379.8	1379.8	1417.6	1589.4	1425.2
45°	1289.1	1272.8	1330.1	1417.6	1477.1	1488.9	1511.6	1506.2	1536.5	1695.3	1548.4
47.5°	1305.3	1310.7	1373.3	1479.2	1547.3	1602.4	1640.2	1641.3	1656.4	1830.4	1708.3
50°	1358.2	1357.1	1432.8	1531.1	1631.6	1732.1	1805.5	1805.5	1804.5	1962.2	1845.5
52.5°	1428.4	1426.3	1484.6	1601.3	1732.1	1858.5	1955.7	1959.0	1983.8	2124.3	2003.3
55°	1543.0	1533.2	1589.4	1675.9	1832.6	1986.0	2154.5	2155.6	2136.2	2239.9	2116.7
57.5°	1639.1	1638.1	1684.5	1767.7	1944.9	2150.2	2345.8	2375.0	2313.4	2358.8	2207.5
60°	1614.3	1628.3	1724.5	1847.7	2063.8	2355.5	2552.2	2597.6	2499.2	2439.8	2275.6
62.5°	1459.8	1492.2	1597.0	1793.7	2164.3	2653.7	2836.3	2815.8	2596.5	2509.0	2358.8
65°	1050.3	1082.7	1212.3	1507.3	2047.6	2864.4	3210.2	3117.3	2769.4	2611.6	2470.1
67.5°	618.1	631.0	712.1	961.7	1531.1	2749.9	3664.0	3671.6	3109.7	2769.4	2662.4
70°	446.3	456.0	487.3	567.3	848.2	2155.6	3916.9	4113.5	3581.9	2950.9	2560.8
72.5°	342.5	342.5	395.5	472.2	540.3	1291.2	3604.6	3999.0	3684.6	2776.9	2063.8
75°	246.4	252.8	310.1	406.3	498.1	648.3	2655.9	3173.5	3122.7	2250.7	1441.4
77.5°	141.5	144.8	218.3	340.4	467.9	445.2	1641.3	2151.3	2211.8	1409.0	624.5
80°	72.4	74.6	122.1	269.0	423.6	387.9	978.9	1416.6	1201.5	409.5	144.8
82.5°	35.7	35.7	55.1	171.8	359.8	343.6	575.9	782.3	425.7	94.0	60.5
85°	11.9	13.0	24.9	97.2	260.4	207.5	352.2	371.7	142.6	35.7	33.5
87.5°	3.2	4.3	6.5	35.7	113.5	136.1	209.6	237.7	58.3	14.0	16.2
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°	1430.6	1430.6	1430.6	1430.6	1430.6	1430.6	1430.6	1430.6	1430.6	1430.6	1430.6
2.5°	1407.9	1400.3	1391.7	1370.1	1352.8	1330.1	1315.0	1303.1	1280.4	1284.7	1275.0
5°	1393.9	1379.8	1330.1	1282.6	1239.3	1173.4	1128.1	1098.9	1075.1	1051.3	1068.6
7.5°	1369.0	1335.5	1257.7	1169.1	1077.3	990.8	904.4	852.5	814.7	780.1	779.1
10°	1326.9	1272.8	1150.7	1035.1	893.6	780.1	669.9	583.5	527.3	486.2	485.2
12.5°	1279.3	1223.1	1069.7	881.7	718.5	558.6	426.8	335.0	282.0	249.6	245.3
15°	1249.1	1167.0	968.1	745.6	543.5	364.1	236.6	179.4	158.8	151.3	151.3
17.5°	1210.2	1116.2	867.7	604.0	377.1	210.7	153.4	138.3	137.2	135.1	132.9
20°	1194.0	1077.3	778.0	481.9	238.8	149.1	131.8	128.6	128.6	126.4	124.3
22.5°	1150.7	1021.1	682.9	353.3	158.8	130.7	124.3	119.9	117.8	115.6	117.8
25°	1131.3	981.1	593.2	244.2	129.7	116.7	113.5	109.1	105.9	104.8	104.8
27.5°	1118.3	941.1	505.7	169.6	114.5	107.0	100.5	97.2	92.9	88.6	88.6
30°	1108.6	909.8	421.4	125.3	102.6	95.1	89.7	82.1	76.7	72.4	72.4
32.5°	1095.6	873.1	337.1	107.0	92.9	85.4	75.6	69.2	61.6	58.3	58.3
35°	1100.0	848.2	264.7	95.1	83.2	73.5	64.8	56.2	48.6	45.4	44.3
37.5°	1108.6	829.8	201.0	85.4	74.6	63.8	54.0	44.3	40.0	35.7	35.7
40°	1145.3	824.4	148.0	78.9	68.1	56.2	45.4	36.7	32.4	29.2	28.1
42.5°	1206.9	832.0	114.5	71.3	61.6	47.5	37.8	30.3	25.9	22.7	21.6
45°	1285.8	861.2	94.0	67.0	54.0	40.0	30.3	24.9	19.4	17.3	17.3
47.5°	1400.3	906.6	82.1	61.6	47.5	33.5	25.9	19.4	15.1	13.0	13.0
50°	1530.0	958.4	72.4	55.1	41.1	28.1	20.5	15.1	10.8	9.7	9.7
52.5°	1659.7	1024.3	67.0	50.8	35.7	22.7	16.2	10.8	7.6	6.5	6.5
55°	1795.8	1082.7	60.5	47.5	29.2	18.4	11.9	6.5	4.3	3.2	3.2
57.5°	1890.9	1105.4	52.9	41.1	22.7	14.0	8.6	4.3	2.2	1.1	1.1
60°	1959.0	1108.6	45.4	33.5	17.3	10.8	5.4	2.2	1.1	0.0	0.0
62.5°	2016.2	1115.1	38.9	25.9	13.0	7.6	3.2	1.1	0.0	0.0	0.0
65°	2129.7	1109.7	31.3	20.5	8.6	4.3	2.2	0.0	0.0	0.0	0.0
67.5°	2219.4	1055.7	24.9	14.0	5.4	2.2	1.1	0.0	0.0	0.0	0.0
70°	1963.3	805.0	19.4	9.7	3.2	1.1	0.0	0.0	0.0	0.0	0.0
72.5°	1541.9	537.0	13.0	5.4	2.2	1.1	0.0	0.0	0.0	0.0	0.0
75°	1011.4	266.9	9.7	3.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	393.3	70.2	6.5	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	95.1	23.8	3.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	41.1	8.6	2.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	24.9	4.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	13.0	2.2	1.1	1.1	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)