

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: P677129

Luminaire Tested: **CCW-SA-1C-735-U-SL4-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P677129
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-735-U-SL4-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
SL4 distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

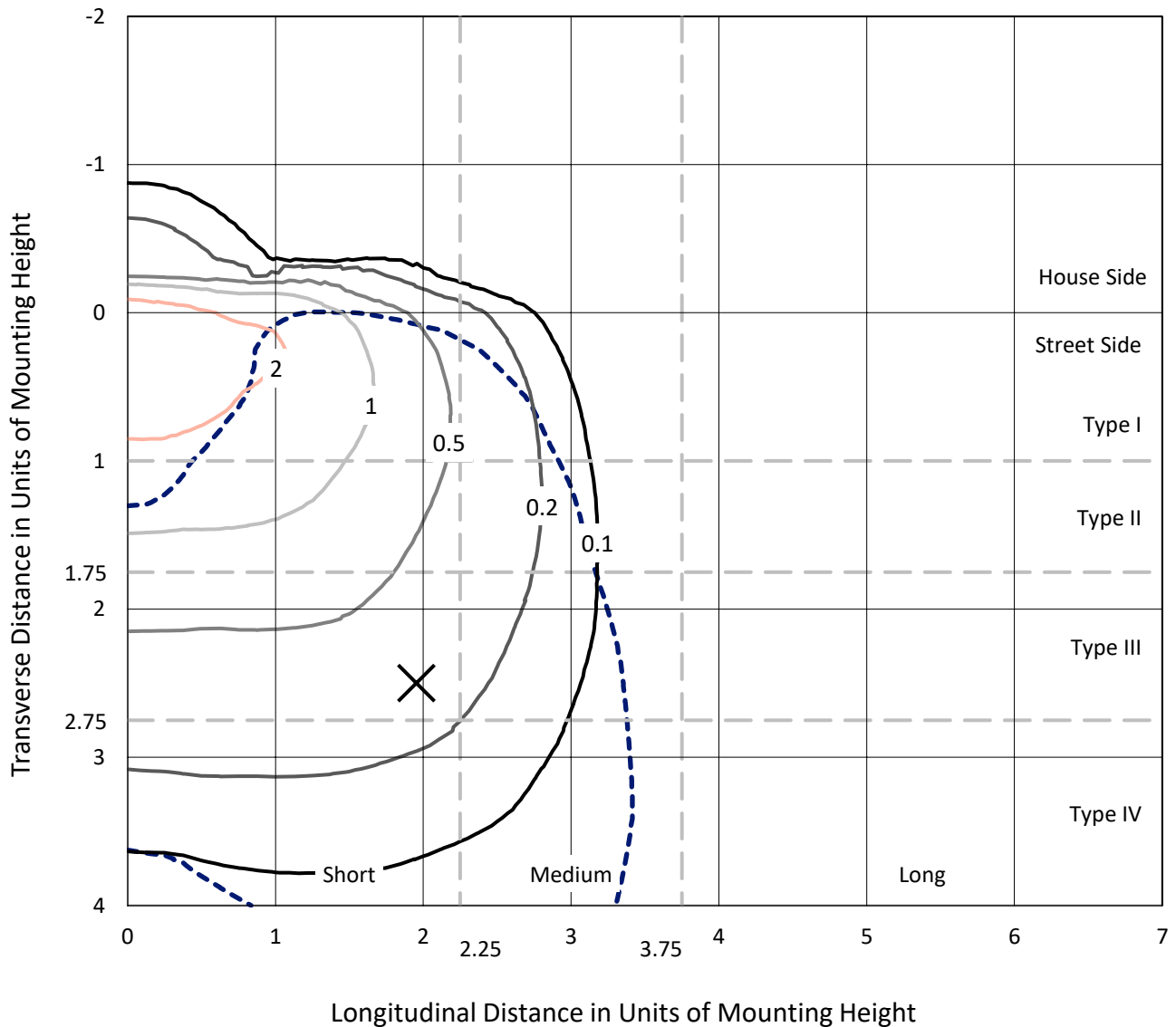
Lumens per Lamp: N/A
Luminaire Lumens: 3683.5 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 32
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

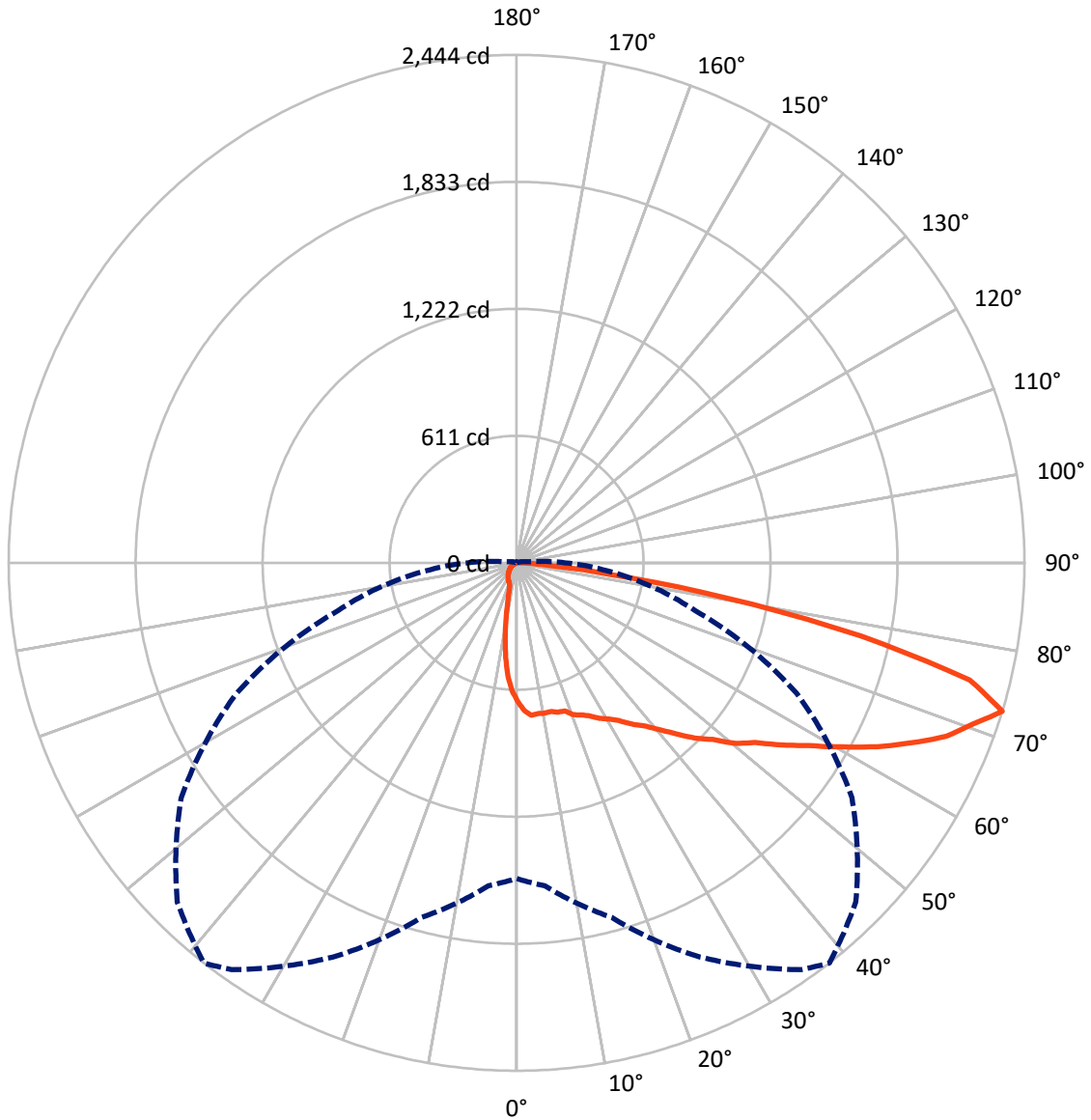
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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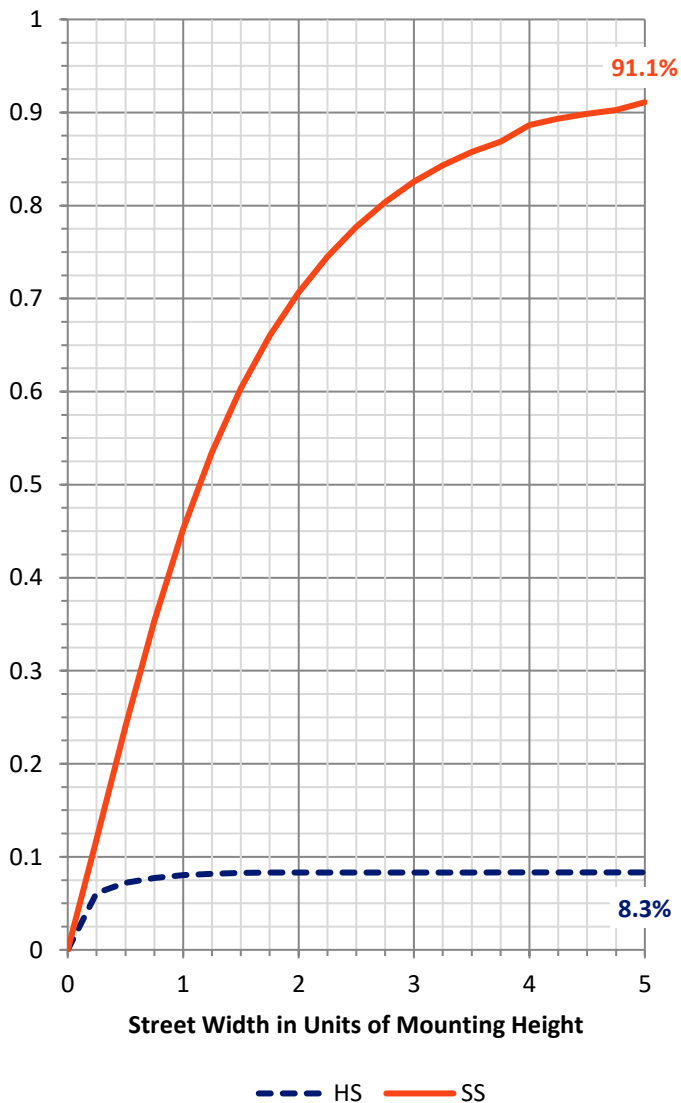
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	308.5	0.0	308.5
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	3375.0	0.0	3375.0
	% Fixture	91.6	0.0	91.6
Total	Lumens	3683.5	0.0	3683.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.3	1.6
10°-20°	142.8	3.9
20°-30°	228.9	6.2
30°-40°	345.5	9.4
40°-50°	525.9	14.3
50°-60°	740.3	20.1
60°-70°	904.3	24.6
70°-80°	656.7	17.8
80°-90°	80.9	2.2
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°	3683.5	100.0
0°-180°	3683.5	100.0

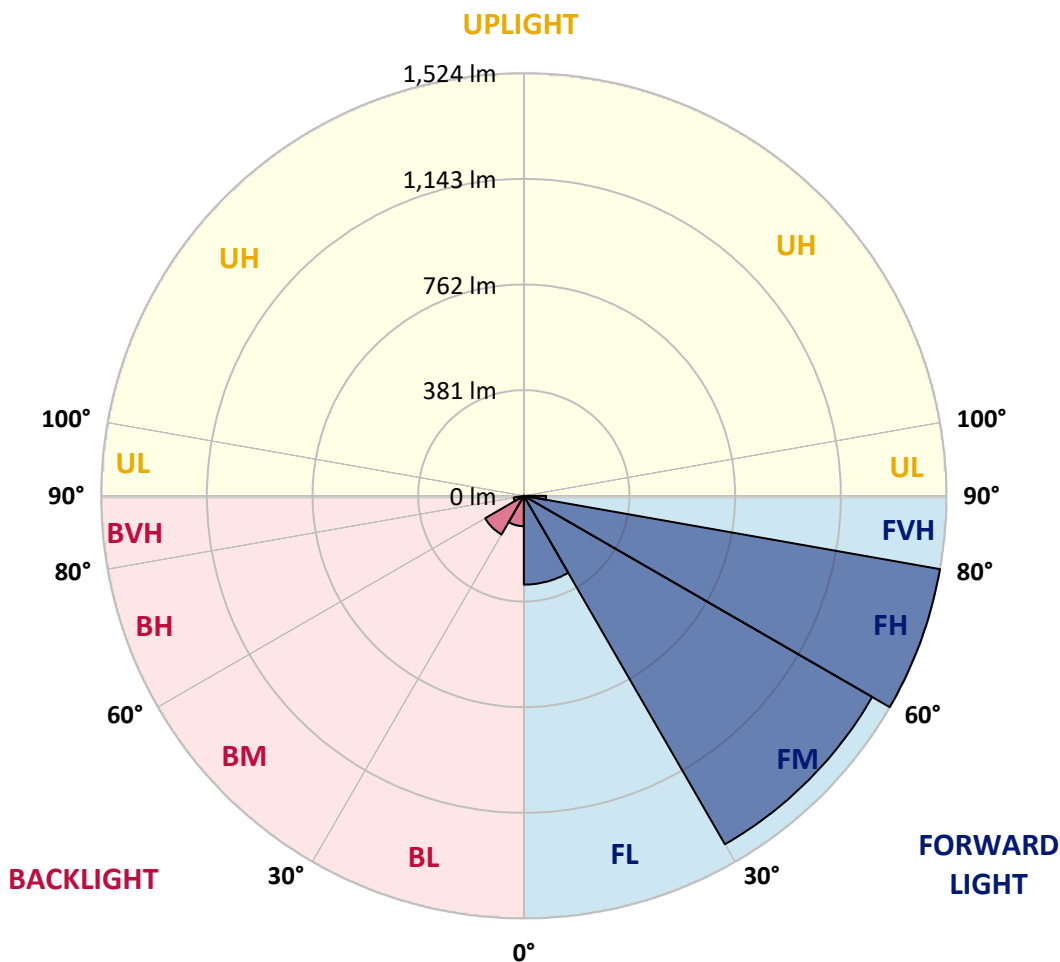


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	320.4	8.7			
FM (30°-60°)	1450.6	39.4			
FH (60°-80°)	1523.6	41.4			G1/1800
FVH (80°-90°)	80.5	2.2			G1/100
BL (0°-30°)	109.5	3.0	B0/110		
BM (30°-60°)	161.2	4.4	B0/220		
BH (60°-80°)	37.4	1.0	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: B0-U0-G1
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	666.1	666.1	666.1	666.1	666.1	666.1	666.1	666.1	666.1	666.1	666.1
2.5°	731.8	731.8	738.7	731.8	729.2	712.8	713.6	705.0	696.4	684.3	673.0
5°	740.4	746.5	750.8	744.7	735.2	737.0	743.0	726.6	703.3	688.6	663.5
7.5°	737.0	749.9	746.5	743.0	737.0	732.6	724.0	717.1	705.9	692.0	662.7
10°	734.4	738.7	739.6	737.0	724.0	736.1	726.6	715.4	701.5	685.1	648.8
12.5°	724.9	724.9	732.6	726.6	728.3	734.4	730.1	727.5	712.8	699.0	667.0
15°	714.5	718.0	730.1	739.6	748.2	745.6	743.0	735.2	722.3	706.7	673.0
17.5°	717.1	718.8	737.8	755.1	750.8	749.1	762.9	746.5	733.5	716.2	678.2
20°	726.6	731.8	753.4	775.8	780.2	780.2	775.0	765.5	747.3	724.0	687.7
22.5°	736.1	737.8	773.3	801.8	806.1	794.9	799.2	771.5	754.2	741.3	697.2
25°	772.4	768.9	807.0	829.4	826.8	815.6	811.3	787.1	780.2	756.8	718.0
27.5°	821.6	807.0	844.1	857.9	844.1	847.6	835.5	809.5	794.9	781.0	727.5
30°	851.9	860.5	880.4	894.2	870.9	871.7	865.7	837.2	814.7	818.2	759.4
32.5°	898.5	904.6	919.3	925.3	907.2	905.4	899.4	876.9	860.5	857.1	802.6
35°	948.6	959.9	960.7	962.5	946.1	953.0	944.3	912.4	921.0	927.0	854.5
37.5°	997.9	987.5	1004.8	1012.6	994.4	994.4	997.0	975.4	991.0	1009.1	927.9
40°	1016.9	1021.2	1051.5	1045.4	1067.0	1054.0	1063.6	1058.4	1071.3	1112.8	1031.6
42.5°	1036.8	1042.0	1082.6	1093.8	1119.7	1124.0	1137.9	1138.7	1176.7	1245.0	1130.9
45°	1074.8	1066.1	1121.4	1149.1	1191.4	1203.5	1219.9	1233.8	1293.4	1373.7	1244.1
47.5°	1109.3	1097.2	1160.3	1215.6	1267.4	1270.0	1315.0	1329.7	1400.5	1492.1	1356.4
50°	1157.7	1162.0	1188.8	1283.9	1336.6	1366.8	1397.9	1446.3	1524.9	1622.5	1437.7
52.5°	1207.8	1203.5	1248.4	1341.8	1424.7	1435.9	1505.9	1560.3	1645.9	1719.3	1473.9
55°	1269.2	1274.4	1291.6	1414.3	1519.7	1546.5	1625.1	1682.2	1775.5	1760.8	1486.0
57.5°	1330.5	1325.3	1364.2	1495.5	1639.0	1658.8	1763.4	1797.1	1860.1	1788.4	1455.8
60°	1391.0	1400.5	1416.9	1587.1	1769.4	1798.8	1881.7	1899.0	1912.8	1801.4	1432.5
62.5°	1460.1	1437.7	1488.6	1683.9	1886.9	1948.3	2013.9	1945.7	1933.6	1778.1	1378.9
65°	1494.7	1501.6	1568.1	1794.5	2043.3	2088.2	2096.9	2008.7	1946.5	1726.2	1328.8
67.5°	1548.2	1557.7	1642.4	1907.7	2204.0	2229.1	2197.9	2065.8	1935.3	1658.8	1148.2
70°	1555.2	1578.5	1741.8	2026.0	2305.1	2326.7	2302.5	2103.8	1844.6	1393.6	850.2
72.5°	1518.9	1560.3	1766.0	2093.4	2389.8	2444.2	2308.5	1969.9	1486.9	889.0	435.4
75°	1147.4	1181.9	1616.5	1993.2	2239.4	2252.4	2026.9	1503.3	846.7	303.3	111.5
77.5°	594.4	654.0	1079.1	1523.2	1706.3	1692.5	1410.9	885.6	291.2	79.5	44.9
80°	341.3	356.0	471.7	855.3	1073.1	1020.4	780.2	381.9	127.9	39.7	29.4
82.5°	168.5	189.2	254.0	382.7	536.5	441.5	292.9	229.0	71.7	21.6	25.9
85°	36.3	38.0	129.6	183.2	217.7	143.4	100.2	192.7	25.9	13.0	25.1
87.5°	25.9	25.1	36.3	82.1	60.5	37.2	59.6	101.1	6.0	6.0	5.2
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°	666.1	666.1	666.1	666.1	666.1	666.1	666.1	666.1	666.1	666.1	666.1
2.5°	666.1	658.3	649.7	633.3	629.0	626.4	611.7	610.8	608.2	602.2	599.6
5°	648.0	635.0	618.6	601.3	587.5	562.4	532.2	516.7	497.6	498.5	492.5
7.5°	645.4	621.2	597.9	561.6	517.5	470.9	424.2	394.0	372.4	359.4	362.0
10°	633.3	615.1	577.1	509.7	438.9	368.1	308.4	263.5	237.6	217.7	223.8
12.5°	638.5	603.1	549.5	459.6	358.5	271.3	197.0	153.8	134.8	127.9	129.6
15°	635.0	603.1	533.1	405.2	281.7	184.0	127.9	114.0	110.6	110.6	108.9
17.5°	645.4	610.0	505.4	351.6	202.2	122.7	109.7	107.1	104.5	104.5	104.5
20°	660.1	613.4	486.4	292.0	142.6	108.0	102.8	101.1	100.2	100.2	99.4
22.5°	660.9	610.0	451.0	226.4	109.7	101.9	97.6	96.8	96.8	95.0	95.0
25°	666.1	613.4	413.0	170.2	101.9	95.9	92.4	91.6	92.4	91.6	90.7
27.5°	679.1	619.5	375.0	124.4	95.9	90.7	88.1	87.3	87.3	87.3	85.5
30°	695.5	619.5	332.6	102.8	90.7	85.5	82.9	82.1	81.2	81.2	81.2
32.5°	730.1	639.3	280.8	91.6	83.8	79.5	76.9	76.9	76.0	76.0	75.2
35°	773.3	653.2	228.1	84.7	77.8	73.4	70.8	70.8	70.0	70.0	69.1
37.5°	826.8	687.7	174.5	79.5	71.7	67.4	64.8	64.8	64.8	63.9	63.9
40°	902.9	723.1	129.6	72.6	65.7	61.3	59.6	58.8	57.9	57.9	56.2
42.5°	984.1	777.6	96.8	67.4	60.5	57.0	54.4	51.8	51.8	49.2	49.2
45°	1072.2	825.1	78.6	61.3	55.3	51.0	48.4	46.7	44.1	42.3	42.3
47.5°	1158.6	854.5	69.1	54.4	50.1	46.7	44.1	40.6	37.2	36.3	35.4
50°	1228.6	863.1	61.3	49.2	45.8	42.3	38.9	34.6	31.1	29.4	28.5
52.5°	1228.6	815.6	55.3	44.1	41.5	38.0	33.7	28.5	24.2	22.5	21.6
55°	1228.6	740.4	49.2	40.6	37.2	34.6	28.5	23.3	19.0	16.4	15.6
57.5°	1210.4	649.7	44.1	36.3	32.8	29.4	24.2	18.1	13.8	11.2	11.2
60°	1160.3	554.7	38.0	32.0	28.5	24.2	19.0	13.0	8.6	6.0	6.0
62.5°	1096.4	441.5	32.8	26.8	23.3	19.9	14.7	8.6	3.5	1.7	1.7
65°	984.9	325.7	28.5	22.5	18.1	14.7	9.5	3.5	0.0	0.0	0.0
67.5°	813.0	217.7	22.5	18.1	15.6	10.4	6.0	0.9	0.0	0.0	0.0
70°	572.0	123.5	17.3	13.0	11.2	6.9	1.7	0.0	0.0	0.0	0.0
72.5°	235.0	54.4	12.1	9.5	7.8	3.5	0.0	0.0	0.0	0.0	0.0
75°	63.9	24.2	7.8	5.2	4.3	0.9	0.0	0.0	0.0	0.0	0.0
77.5°	37.2	16.4	3.5	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
80°	29.4	7.8	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	29.4	4.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	25.1	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.5	0.0	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)