

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: P676841

Luminaire Tested: **CCW-SA-1C-735-U-SL2-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676841
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-SL2-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
SL2 distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

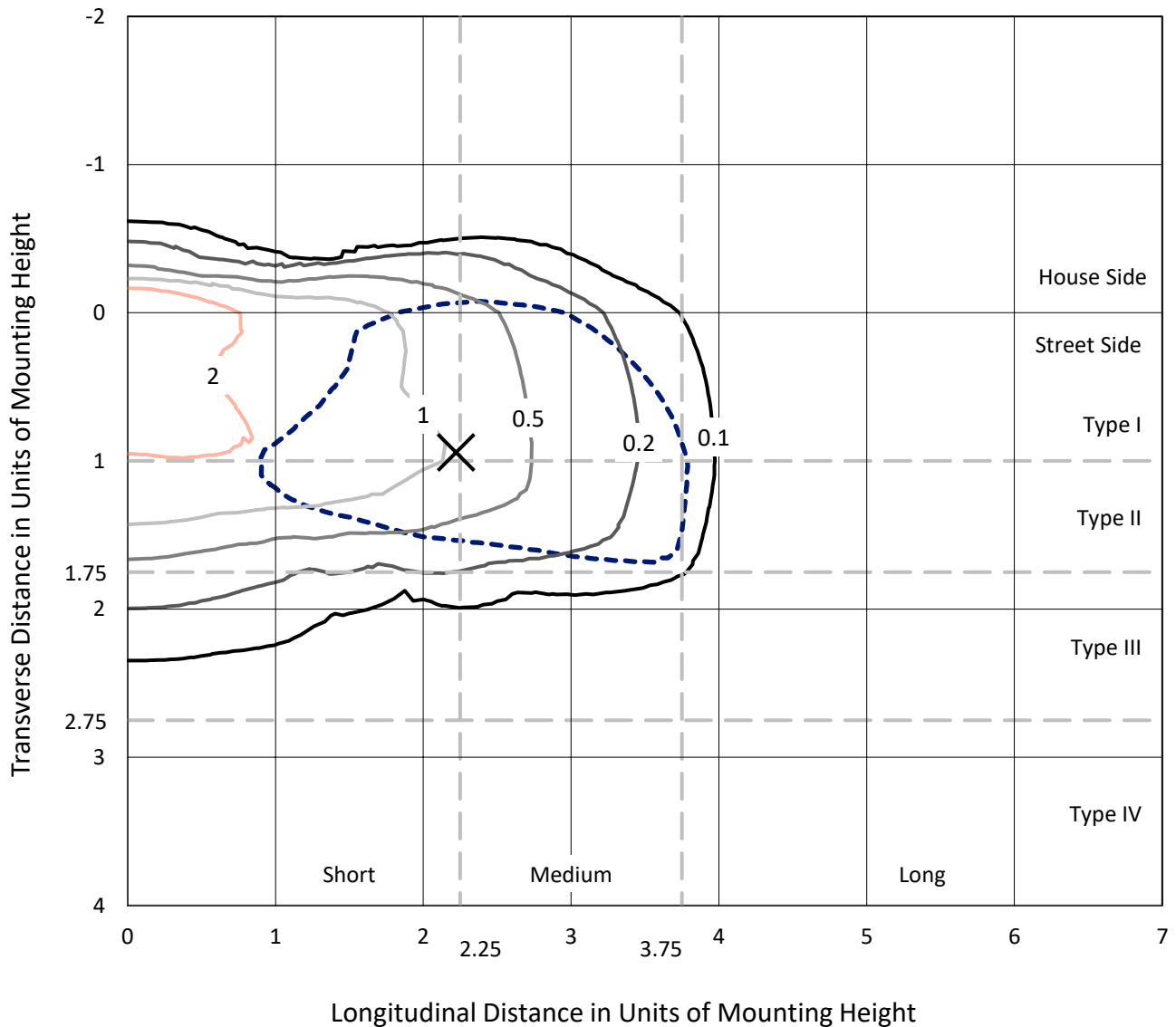
Lumens per Lamp: N/A
Luminaire Lumens: 3586 lumens
Efficiency: N/A
Efficacy: 112.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 32
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

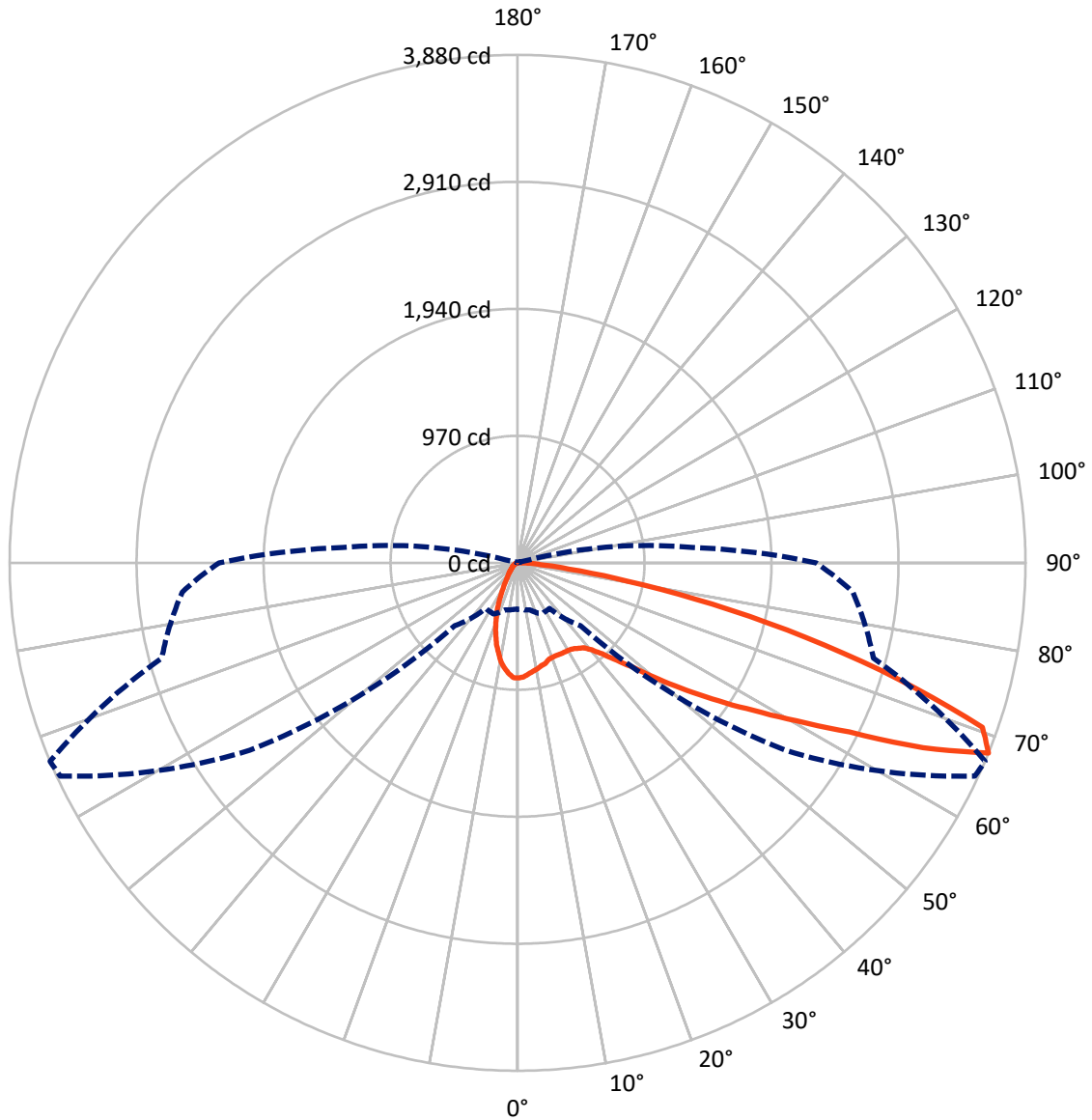
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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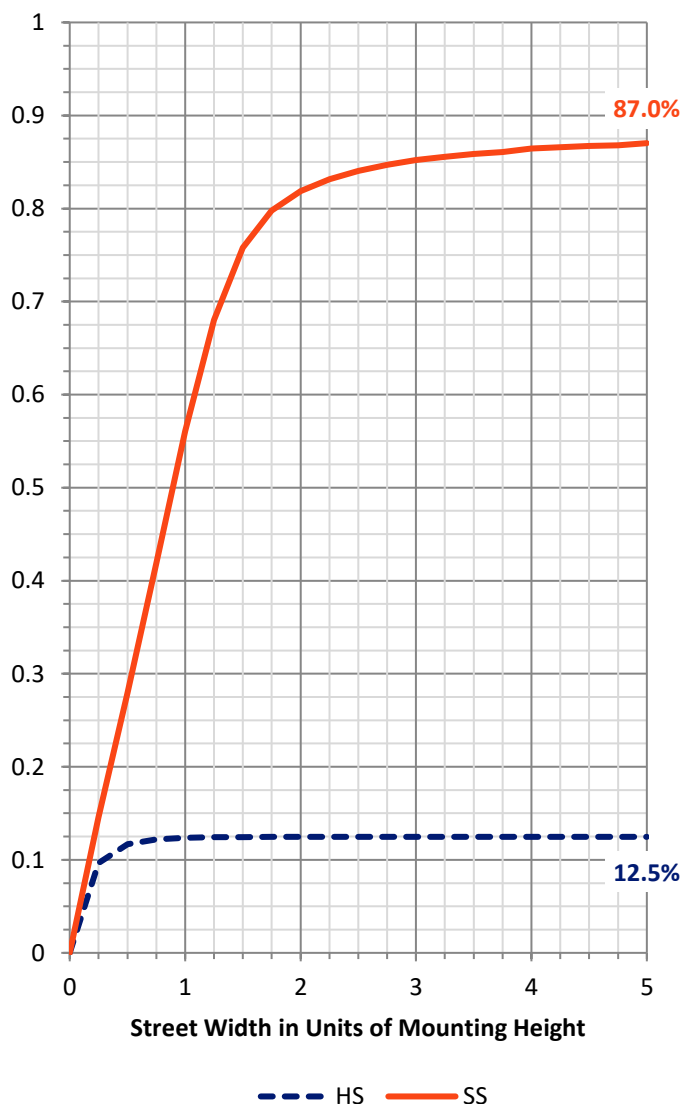
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	451.3	0.0	451.3
	% Fixture	12.6	0.0	12.6
Street Side	Lumens	3134.7	0.0	3134.7
	% Fixture	87.4	0.0	87.4
Total	Lumens	3586.0	0.0	3586.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.1	2.1
10°-20°	164.6	4.6
20°-30°	234.1	6.5
30°-40°	340.9	9.5
40°-50°	527.6	14.7
50°-60°	809.7	22.6
60°-70°	877.7	24.5
70°-80°	495.2	13.8
80°-90°	62.2	1.7
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°	3586.0	100.0
0°-180°	3586.0	100.0

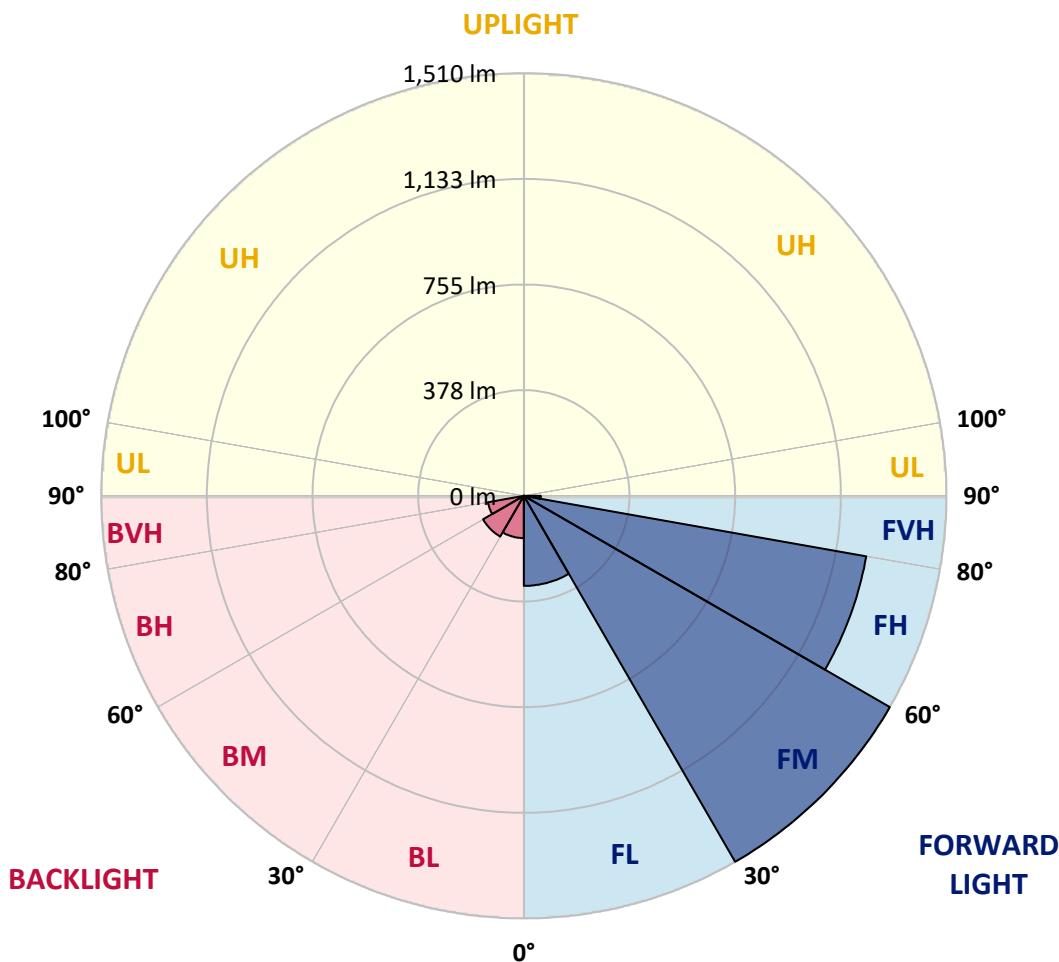


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	321.8	9.0			
FM (30°-60°)	1510.0	42.1			
FH (60°-80°)	1242.5	34.6			G1/1800
FVH (80°-90°)	60.4	1.7			G1/100
BL (0°-30°)	151.1	4.2	B1/500		
BM (30°-60°)	168.1	4.7	B0/220		
BH (60°-80°)	130.4	3.6	B1/500		G1/500
BVH (80°-90°)	1.8	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	879.6	879.6	879.6	879.6	879.6	879.6	879.6	879.6	879.6	879.6	879.6
2.5°	841.6	845.9	851.9	860.6	866.6	863.2	865.8	880.4	872.7	879.6	876.1
5°	794.9	799.2	807.9	807.0	813.9	826.9	844.2	863.2	854.5	875.3	883.0
7.5°	746.5	744.8	744.8	762.9	777.6	795.8	805.3	836.4	837.2	855.4	874.4
10°	702.5	707.6	716.3	723.2	737.0	762.9	790.6	814.8	824.3	860.6	865.8
12.5°	675.7	678.3	688.6	694.7	712.8	737.9	767.3	798.4	806.1	843.3	868.3
15°	664.4	670.5	673.9	685.2	694.7	718.0	739.6	775.0	797.5	826.9	858.0
17.5°	673.1	670.5	672.2	675.7	686.9	707.6	731.0	766.4	774.2	823.4	870.1
20°	684.3	685.2	680.0	678.3	675.7	695.5	714.5	760.3	769.0	823.4	877.8
22.5°	714.5	705.0	714.5	700.7	686.9	695.5	713.7	761.2	767.3	822.6	885.6
25°	751.7	753.4	756.0	726.6	706.8	700.7	719.7	763.8	769.0	829.5	889.1
27.5°	804.4	812.2	799.2	784.5	744.8	714.5	718.9	762.1	771.6	826.0	897.7
30°	875.3	869.2	870.9	837.2	798.4	750.8	738.7	766.4	773.3	830.3	914.1
32.5°	936.6	929.7	941.8	929.7	868.3	802.7	762.1	775.0	782.8	840.7	928.0
35°	974.6	983.3	1002.3	1015.2	963.4	870.1	801.0	798.4	801.8	845.9	938.3
37.5°	1033.4	1048.9	1064.5	1097.3	1052.4	953.0	862.3	828.6	822.6	870.9	943.5
40°	1097.3	1093.0	1138.8	1177.7	1175.9	1069.7	947.8	882.2	873.5	910.7	978.1
42.5°	1150.9	1146.6	1197.5	1261.5	1268.4	1182.0	1045.5	958.2	950.4	972.0	1020.4
45°	1220.9	1224.3	1284.8	1360.8	1385.9	1330.6	1177.7	1067.1	1062.8	1055.8	1100.8
47.5°	1283.1	1302.1	1353.9	1443.8	1534.5	1484.4	1333.2	1226.1	1195.8	1180.3	1225.2
50°	1326.3	1343.6	1406.6	1502.5	1668.4	1700.4	1507.7	1395.4	1396.3	1358.2	1382.4
52.5°	1326.3	1325.4	1376.4	1502.5	1761.7	1925.9	1741.0	1608.8	1615.7	1576.0	1577.7
55°	1198.4	1195.8	1258.0	1391.9	1751.4	2142.8	2094.4	1879.3	1862.0	1785.1	1792.9
57.5°	965.1	971.2	1018.7	1179.4	1616.6	2243.9	2515.2	2183.4	2124.6	1965.7	1965.7
60°	704.2	699.0	734.4	846.7	1295.2	2205.9	2860.8	2542.0	2449.5	2115.1	2092.7
62.5°	535.7	534.8	544.3	582.4	821.7	1923.3	3009.4	2998.2	2847.8	2262.0	2230.0
65°	432.9	434.6	447.6	474.3	502.0	1311.6	2930.8	3542.5	3405.1	2480.6	2376.1
67.5°	353.4	357.7	373.3	431.1	425.1	679.1	2496.2	3854.4	3880.3	2814.1	2572.2
70°	272.2	279.1	297.2	379.3	409.5	451.9	1730.6	3698.9	3768.0	3021.5	2453.8
72.5°	184.9	184.0	222.9	307.6	413.9	413.9	963.4	2979.2	3044.8	2785.6	2131.6
75°	100.2	106.3	147.7	232.4	379.3	400.0	548.7	2179.9	2272.4	2166.1	1648.6
77.5°	54.4	55.3	82.1	152.1	315.4	381.9	366.3	1482.7	1519.0	1306.4	902.9
80°	28.5	29.4	43.2	99.4	217.7	354.3	305.0	883.9	849.3	501.1	298.1
82.5°	13.0	13.8	21.6	62.2	139.1	279.1	263.5	426.8	394.0	140.0	90.7
85°	5.2	5.2	9.5	37.2	81.2	137.4	225.5	214.3	178.9	42.3	44.9
87.5°	1.7	1.7	2.6	14.7	32.8	82.1	120.1	113.2	77.8	15.6	24.2
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°	879.6	879.6	879.6	879.6	879.6	879.6	879.6	879.6	879.6	879.6	879.6
2.5°	872.7	882.2	879.6	877.8	861.4	859.7	858.0	842.4	847.6	834.6	843.3
5°	877.8	883.0	869.2	843.3	820.0	794.0	774.2	760.3	735.3	725.8	724.1
7.5°	872.7	872.7	844.2	802.7	756.9	714.5	661.0	623.0	594.4	572.8	580.6
10°	865.8	855.4	826.0	752.6	669.6	605.7	528.8	472.6	430.3	416.5	407.8
12.5°	865.8	847.6	781.9	681.7	574.6	477.8	386.2	312.8	272.2	248.0	244.5
15°	858.0	831.2	750.0	615.2	482.1	350.8	246.2	183.2	148.6	139.1	135.7
17.5°	859.7	827.7	702.5	536.6	374.1	233.3	150.3	115.8	107.1	102.8	103.7
20°	863.2	827.7	660.1	459.7	269.6	145.2	103.7	97.6	93.3	91.6	92.5
22.5°	874.4	811.3	616.9	381.0	182.3	104.5	91.6	85.5	82.1	79.5	78.6
25°	876.1	808.7	575.4	303.3	125.3	88.1	80.4	73.4	69.1	65.7	64.8
27.5°	873.5	797.5	517.6	225.5	94.2	78.6	68.3	61.3	55.3	52.7	51.8
30°	883.0	776.8	468.3	162.4	79.5	68.3	57.9	50.1	44.9	41.5	41.5
32.5°	883.9	758.6	413.9	115.8	72.6	60.5	49.2	40.6	35.4	33.7	33.7
35°	884.8	742.2	353.4	88.1	64.8	51.8	40.6	33.7	30.2	27.6	27.6
37.5°	887.4	730.1	298.1	74.3	57.9	44.1	33.7	27.6	24.2	23.3	23.3
40°	892.5	713.7	240.2	65.7	50.1	37.2	28.5	23.3	19.9	19.0	18.1
42.5°	906.4	709.4	191.8	58.8	44.9	31.1	23.3	19.0	16.4	14.7	13.8
45°	963.4	720.6	148.6	54.4	38.0	25.9	19.9	15.6	12.1	11.2	10.4
47.5°	1056.7	757.8	117.5	48.4	32.0	21.6	16.4	12.1	9.5	8.6	7.8
50°	1198.4	842.4	95.9	43.2	26.8	18.1	13.0	9.5	6.9	6.0	6.0
52.5°	1384.2	956.5	82.9	38.0	21.6	15.6	10.4	6.9	5.2	4.3	4.3
55°	1574.3	1091.3	77.8	32.8	18.1	13.0	7.8	5.2	3.5	2.6	2.6
57.5°	1748.8	1178.5	75.2	26.8	15.6	9.5	6.0	3.5	1.7	0.9	0.9
60°	1857.7	1242.5	67.4	21.6	12.1	7.8	4.3	1.7	0.9	0.0	0.0
62.5°	2001.1	1307.3	55.3	16.4	8.6	5.2	2.6	0.9	0.0	0.0	0.0
65°	2190.3	1379.8	43.2	13.0	6.9	3.5	1.7	0.9	0.0	0.0	0.0
67.5°	2281.0	1341.8	29.4	9.5	4.3	1.7	0.9	0.0	0.0	0.0	0.0
70°	2099.6	1130.1	20.7	6.9	2.6	0.9	0.9	0.0	0.0	0.0	0.0
72.5°	1765.2	885.6	15.6	4.3	1.7	0.9	0.0	0.0	0.0	0.0	0.0
75°	1301.2	553.8	12.1	3.5	1.7	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	690.4	206.5	8.6	2.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0
80°	203.9	60.5	6.0	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	67.4	18.1	3.5	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	34.6	6.9	1.7	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	19.9	2.6	1.7	1.7	0.9	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)