

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: P676812

Luminaire Tested: **CCW-SA-2A-722-U-SL2-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676812
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2A-722-U-SL2-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @350mA w/
SL2 distribution lens and House Side Shield
Light Source: (32) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

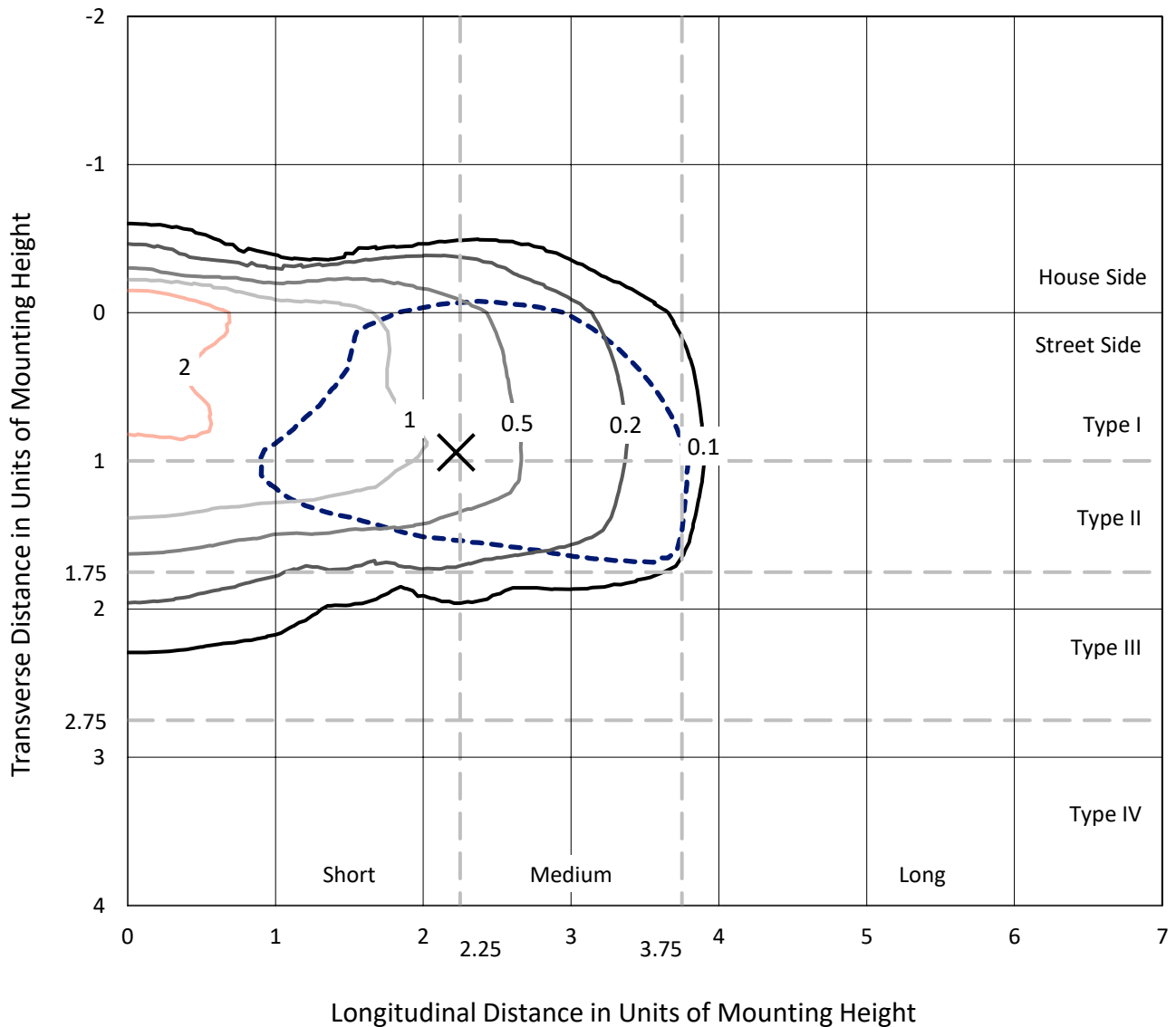
Lumens per Lamp: N/A
Luminaire Lumens: 3241.1 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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

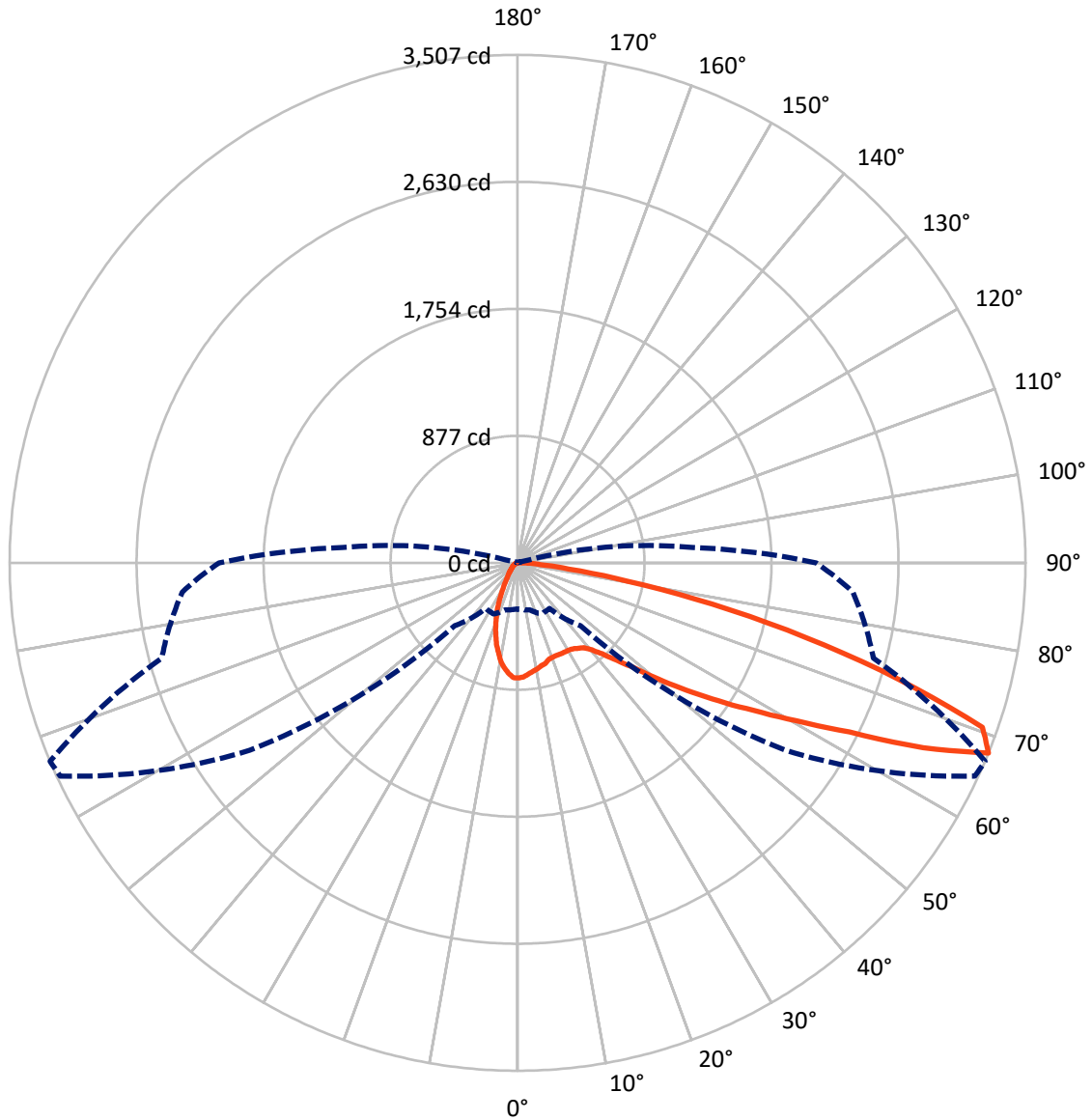
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.5 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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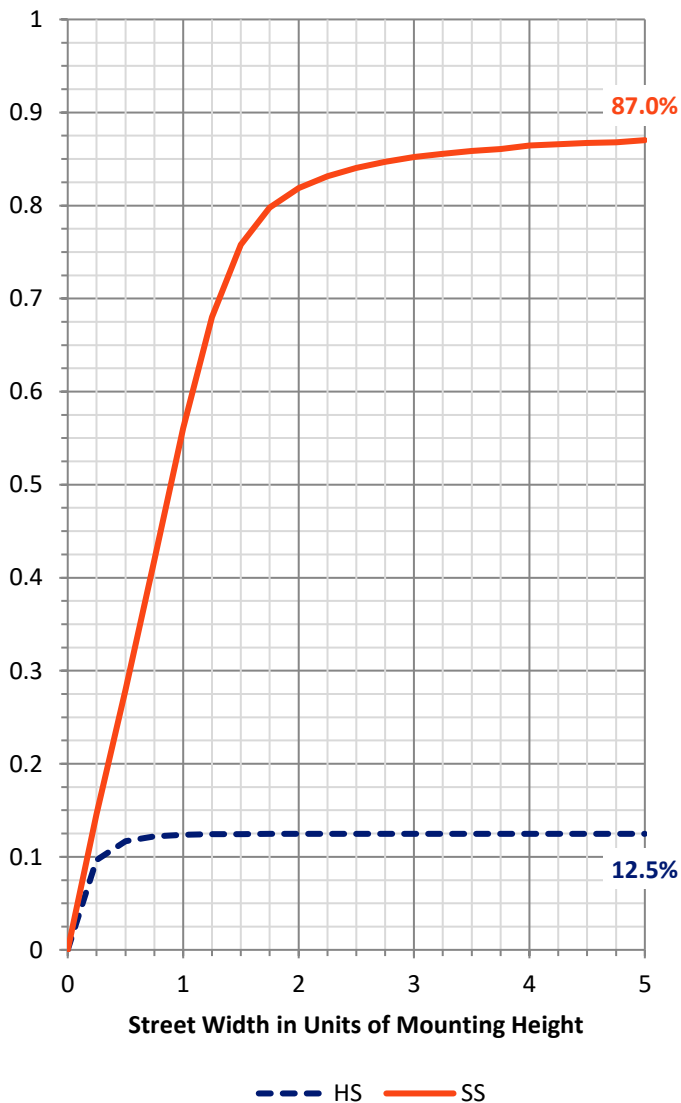
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	407.9	0.0	407.9
	% Fixture	12.6	0.0	12.6
Street Side	Lumens	2833.2	0.0	2833.2
	% Fixture	87.4	0.0	87.4
Total	Lumens	3241.1	0.0	3241.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.0	2.1
10°-20°	148.8	4.6
20°-30°	211.6	6.5
30°-40°	308.1	9.5
40°-50°	476.8	14.7
50°-60°	731.8	22.6
60°-70°	793.3	24.5
70°-80°	447.5	13.8
80°-90°	56.2	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°	3241.1	100.0
0°-180°	3241.1	100.0

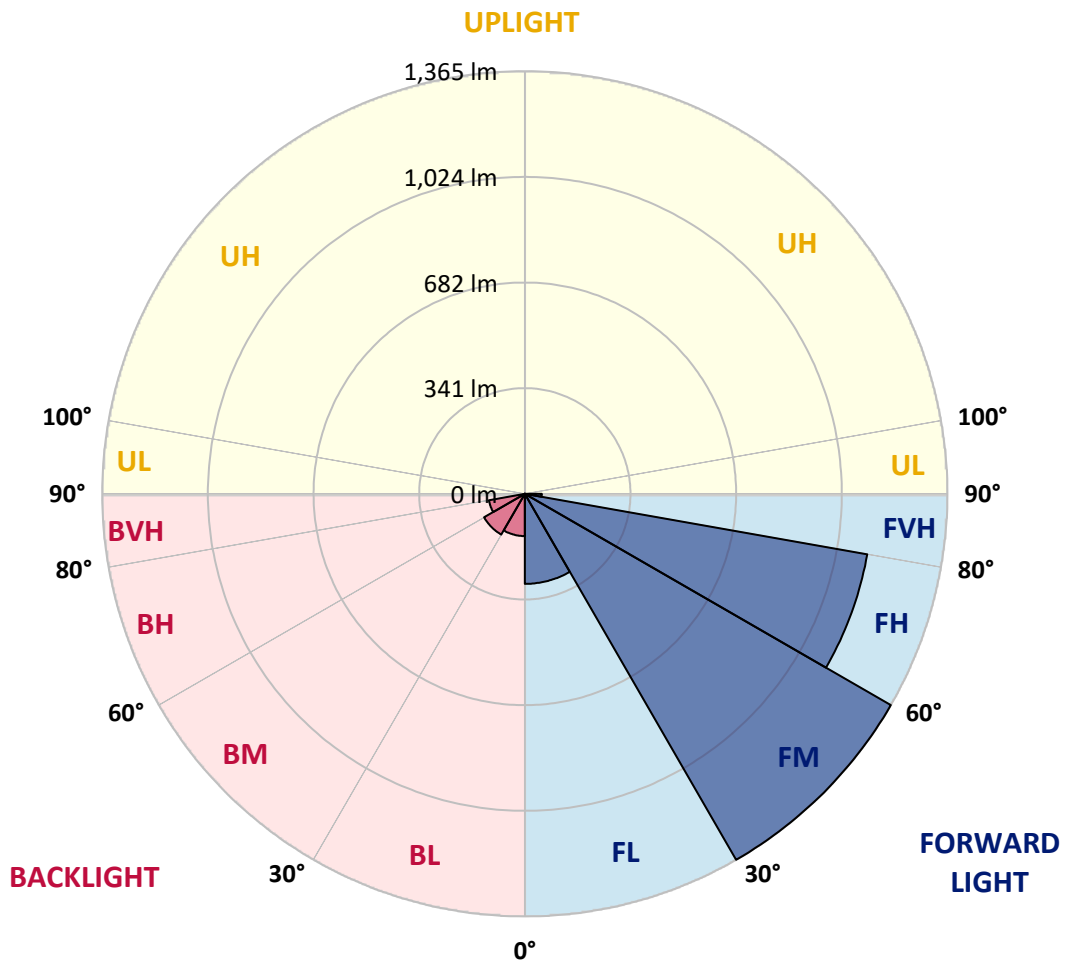


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	290.8	9.0			
FM (30°-60°)	1364.8	42.1			
FH (60°-80°)	1123.0	34.6			G1/1800
FVH (80°-90°)	54.6	1.7			G1/100
BL (0°-30°)	136.5	4.2	B1/500		
BM (30°-60°)	151.9	4.7	B0/220		
BH (60°-80°)	117.8	3.6	B1/500		G1/500
BVH (80°-90°)	1.6	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-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	795.0	795.0	795.0	795.0	795.0	795.0	795.0	795.0	795.0	795.0	795.0
2.5°	760.6	764.5	770.0	777.8	783.3	780.1	782.5	795.8	788.7	795.0	791.9
5°	718.4	722.4	730.2	729.4	735.6	747.3	763.0	780.1	772.3	791.1	798.1
7.5°	674.7	673.2	673.2	689.6	702.8	719.2	727.8	755.9	756.7	773.1	790.3
10°	634.9	639.6	647.4	653.6	666.1	689.6	714.5	736.4	745.0	777.8	782.5
12.5°	610.7	613.0	622.4	627.9	644.3	666.9	693.5	721.6	728.6	762.2	784.8
15°	600.5	606.0	609.1	619.3	627.9	648.9	668.5	700.5	720.8	747.3	775.5
17.5°	608.3	606.0	607.6	610.7	620.8	639.6	660.7	692.7	699.7	744.2	786.4
20°	618.5	619.3	614.6	613.0	610.7	628.6	645.8	687.2	695.0	744.2	793.4
22.5°	645.8	637.2	645.8	633.3	620.8	628.6	645.0	688.0	693.5	743.4	800.4
25°	679.4	681.0	683.3	656.8	638.8	633.3	650.5	690.3	695.0	749.7	803.6
27.5°	727.0	734.1	722.4	709.1	673.2	645.8	649.7	688.8	697.4	746.6	811.4
30°	791.1	785.6	787.2	756.7	721.6	678.6	667.7	692.7	698.9	750.5	826.2
32.5°	846.5	840.3	851.2	840.3	784.8	725.5	688.8	700.5	707.5	759.8	838.7
35°	880.9	888.7	905.9	917.6	870.7	786.4	723.9	721.6	724.7	764.5	848.1
37.5°	934.0	948.0	962.1	991.8	951.2	861.4	779.4	748.9	743.4	787.2	852.8
40°	991.8	987.9	1029.3	1064.4	1062.8	966.8	856.7	797.3	789.5	823.1	884.0
42.5°	1040.2	1036.3	1082.4	1140.1	1146.4	1068.3	944.9	866.0	859.0	878.5	922.3
45°	1103.4	1106.6	1161.2	1229.9	1252.6	1202.6	1064.4	964.4	960.5	954.3	994.9
47.5°	1159.7	1176.8	1223.7	1304.9	1386.9	1341.6	1205.0	1108.1	1080.8	1066.7	1107.3
50°	1198.7	1214.3	1271.3	1358.0	1508.0	1536.8	1362.7	1261.2	1262.0	1227.6	1249.5
52.5°	1198.7	1197.9	1244.0	1358.0	1592.3	1740.7	1573.6	1454.1	1460.3	1424.4	1426.0
55°	1083.1	1080.8	1137.0	1258.1	1582.9	1936.7	1892.9	1698.5	1682.9	1613.4	1620.4
57.5°	872.3	877.8	920.7	1066.0	1461.1	2028.0	2273.3	1973.4	1920.3	1776.6	1776.6
60°	636.4	631.8	663.8	765.3	1170.6	1993.7	2585.6	2297.5	2213.9	1911.7	1891.4
62.5°	484.2	483.4	492.0	526.3	742.7	1738.3	2719.9	2709.8	2573.9	2044.4	2015.6
65°	391.2	392.8	404.5	428.7	453.7	1185.4	2648.9	3201.8	3077.6	2242.0	2147.5
67.5°	319.4	323.3	337.4	389.7	384.2	613.8	2256.1	3483.7	3507.1	2543.5	2324.8
70°	246.0	252.2	268.6	342.8	370.2	408.4	1564.2	3343.1	3405.6	2730.9	2217.8
72.5°	167.1	166.3	201.5	278.0	374.1	374.1	870.7	2692.6	2752.0	2517.7	1926.5
75°	90.6	96.1	133.5	210.1	342.8	361.6	495.9	1970.3	2053.8	1957.8	1490.0
77.5°	49.2	50.0	74.2	137.4	285.0	345.2	331.1	1340.1	1372.9	1180.7	816.1
80°	25.8	26.6	39.0	89.8	196.8	320.2	275.7	798.9	767.6	452.9	269.4
82.5°	11.7	12.5	19.5	56.2	125.7	252.2	238.2	385.8	356.1	126.5	82.0
85°	4.7	4.7	8.6	33.6	73.4	124.2	203.8	193.7	161.7	38.3	40.6
87.5°	1.6	1.6	2.3	13.3	29.7	74.2	108.5	102.3	70.3	14.1	21.9
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°	795.0	795.0	795.0	795.0	795.0	795.0	795.0	795.0	795.0	795.0	795.0
2.5°	788.7	797.3	795.0	793.4	778.6	777.0	775.5	761.4	766.1	754.4	762.2
5°	793.4	798.1	785.6	762.2	741.1	717.7	699.7	687.2	664.6	656.0	654.4
7.5°	788.7	788.7	763.0	725.5	684.1	645.8	597.4	563.0	537.3	517.7	524.8
10°	782.5	773.1	746.6	680.2	605.2	547.4	477.9	427.2	388.9	376.4	368.6
12.5°	782.5	766.1	706.7	616.1	519.3	431.8	349.1	282.7	246.0	224.1	221.0
15°	775.5	751.2	677.8	556.0	435.8	317.1	222.6	165.6	134.3	125.7	122.6
17.5°	777.0	748.1	634.9	485.0	338.1	210.8	135.9	104.6	96.8	92.9	93.7
20°	780.1	748.1	596.6	415.4	243.6	131.2	93.7	88.2	84.3	82.8	83.6
22.5°	790.3	733.3	557.6	344.4	164.8	94.5	82.8	77.3	74.2	71.8	71.1
25°	791.9	730.9	520.1	274.1	113.2	79.7	72.6	66.4	62.5	59.3	58.6
27.5°	789.5	720.8	467.8	203.8	85.1	71.1	61.7	55.4	50.0	47.6	46.9
30°	798.1	702.0	423.3	146.8	71.8	61.7	52.3	45.3	40.6	37.5	37.5
32.5°	798.9	685.6	374.1	104.6	65.6	54.7	44.5	36.7	32.0	30.5	30.5
35°	799.7	670.8	319.4	79.7	58.6	46.9	36.7	30.5	27.3	25.0	25.0
37.5°	802.0	659.9	269.4	67.2	52.3	39.8	30.5	25.0	21.9	21.1	21.1
40°	806.7	645.0	217.1	59.3	45.3	33.6	25.8	21.1	18.0	17.2	16.4
42.5°	819.2	641.1	173.4	53.1	40.6	28.1	21.1	17.2	14.8	13.3	12.5
45°	870.7	651.3	134.3	49.2	34.4	23.4	18.0	14.1	10.9	10.2	9.4
47.5°	955.1	684.9	106.2	43.7	28.9	19.5	14.8	10.9	8.6	7.8	7.0
50°	1083.1	761.4	86.7	39.0	24.2	16.4	11.7	8.6	6.2	5.5	5.5
52.5°	1251.0	864.5	75.0	34.4	19.5	14.1	9.4	6.2	4.7	3.9	3.9
55°	1422.8	986.3	70.3	29.7	16.4	11.7	7.0	4.7	3.1	2.3	2.3
57.5°	1580.6	1065.2	67.9	24.2	14.1	8.6	5.5	3.1	1.6	0.8	0.8
60°	1679.0	1123.0	60.9	19.5	10.9	7.0	3.9	1.6	0.8	0.0	0.0
62.5°	1808.6	1181.5	50.0	14.8	7.8	4.7	2.3	0.8	0.0	0.0	0.0
65°	1979.6	1247.1	39.0	11.7	6.2	3.1	1.6	0.8	0.0	0.0	0.0
67.5°	2061.6	1212.8	26.6	8.6	3.9	1.6	0.8	0.0	0.0	0.0	0.0
70°	1897.6	1021.4	18.7	6.2	2.3	0.8	0.8	0.0	0.0	0.0	0.0
72.5°	1595.4	800.4	14.1	3.9	1.6	0.8	0.0	0.0	0.0	0.0	0.0
75°	1176.1	500.6	10.9	3.1	1.6	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	624.0	186.6	7.8	2.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0
80°	184.3	54.7	5.5	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	60.9	16.4	3.1	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0
85°	31.2	6.2	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	18.0	2.3	1.6	1.6	0.8	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)