

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: P677051

Luminaire Tested: **CCW-SA-1C-835-U-SL3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P677051
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-835-U-SL3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
SL3 distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

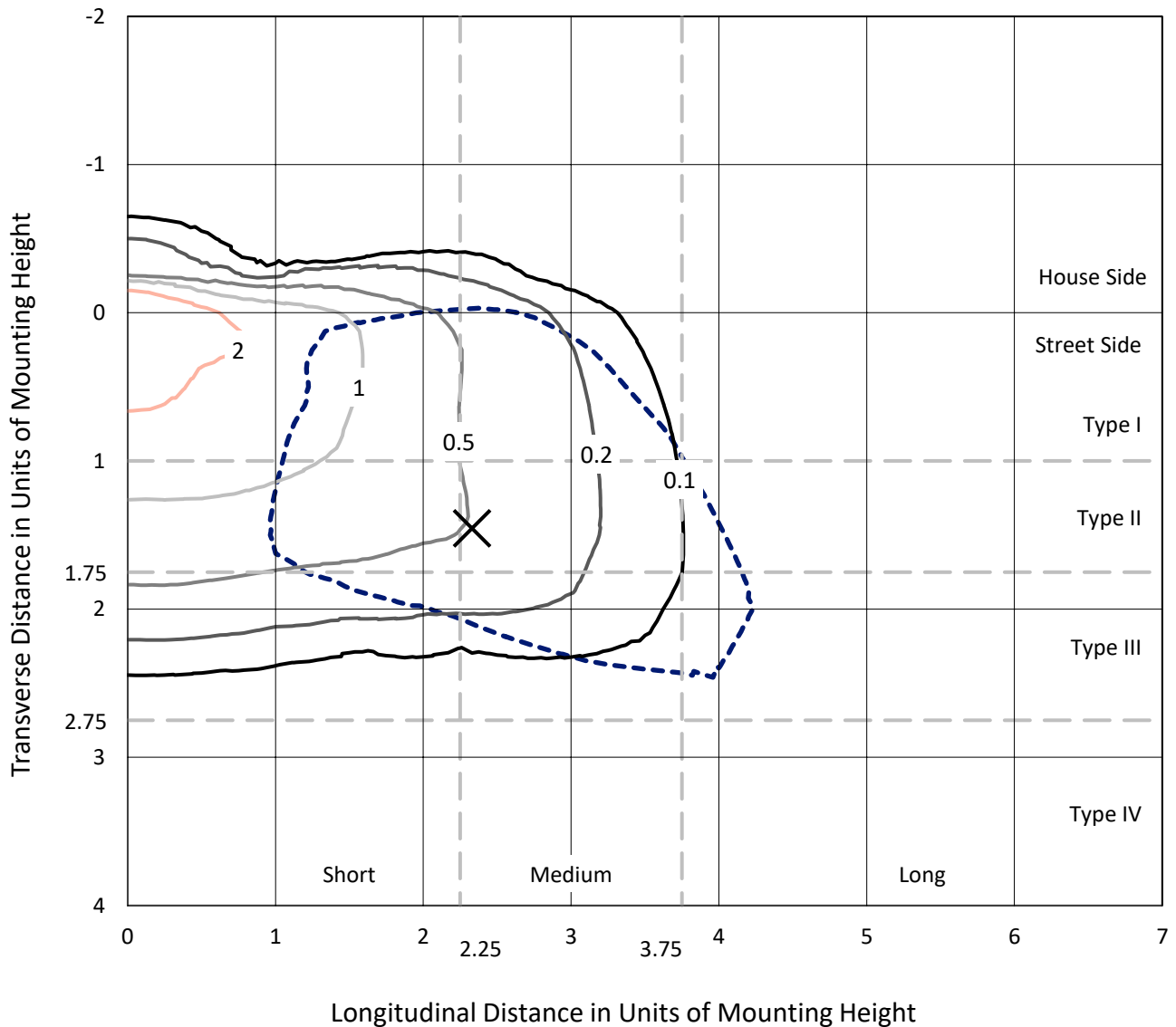
Lumens per Lamp: N/A
Luminaire Lumens: 3078.6 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 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

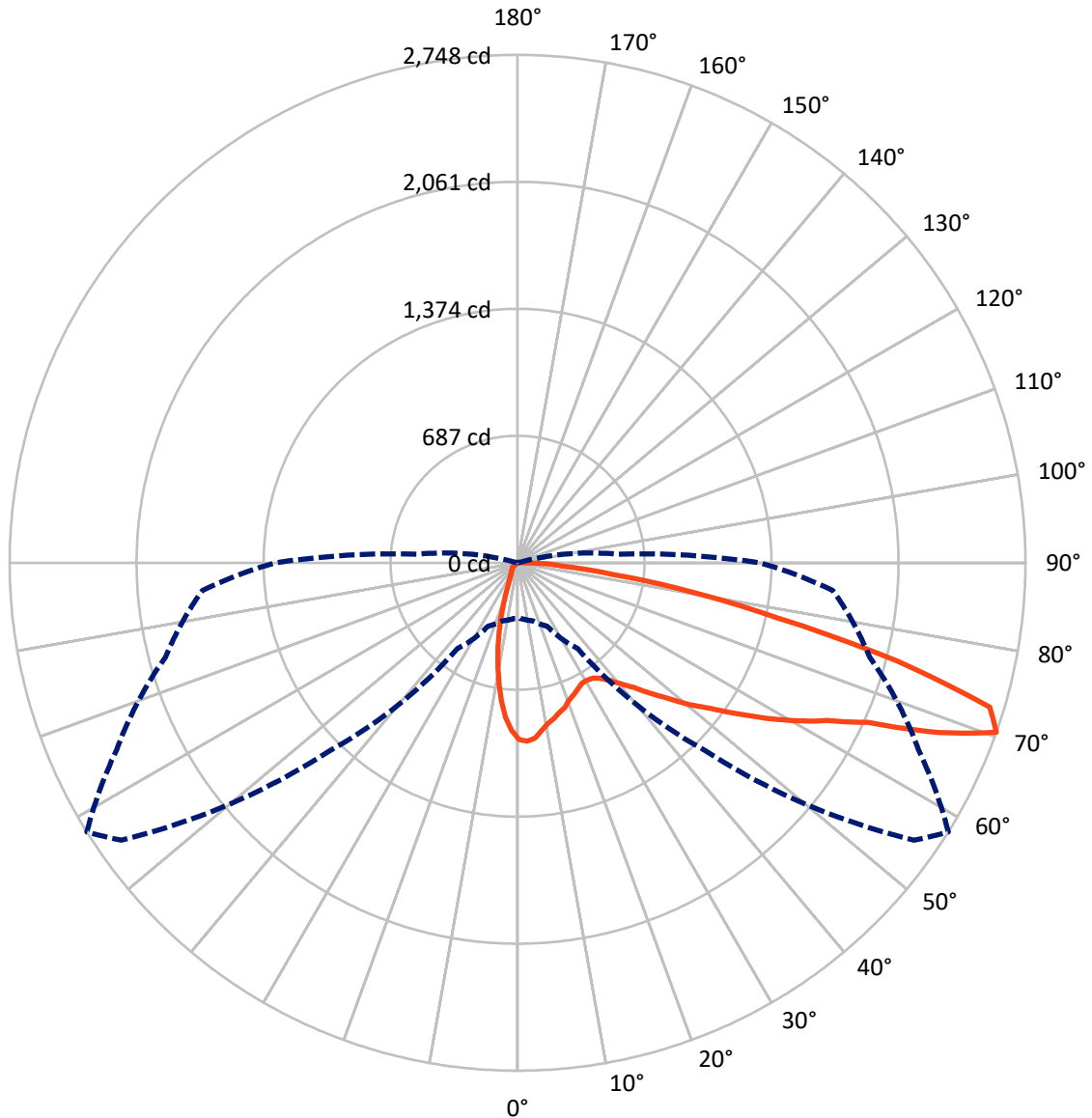
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.2 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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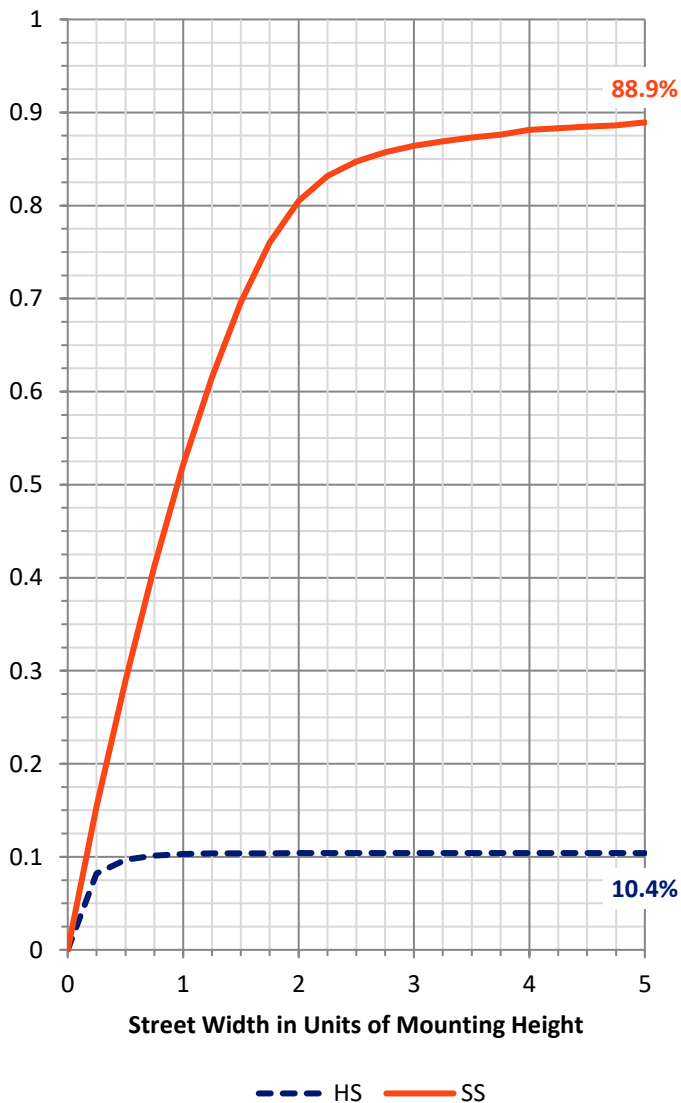
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	322.4	0.0	322.4
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	2756.2	0.0	2756.2
	% Fixture	89.5	0.0	89.5
Total	Lumens	3078.6	0.0	3078.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.0	2.5
10°-20°	162.3	5.3
20°-30°	217.4	7.1
30°-40°	293.8	9.5
40°-50°	421.7	13.7
50°-60°	621.5	20.2
60°-70°	758.0	24.6
70°-80°	462.9	15.0
80°-90°	62.9	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°	3078.6	100.0
0°-180°	3078.6	100.0

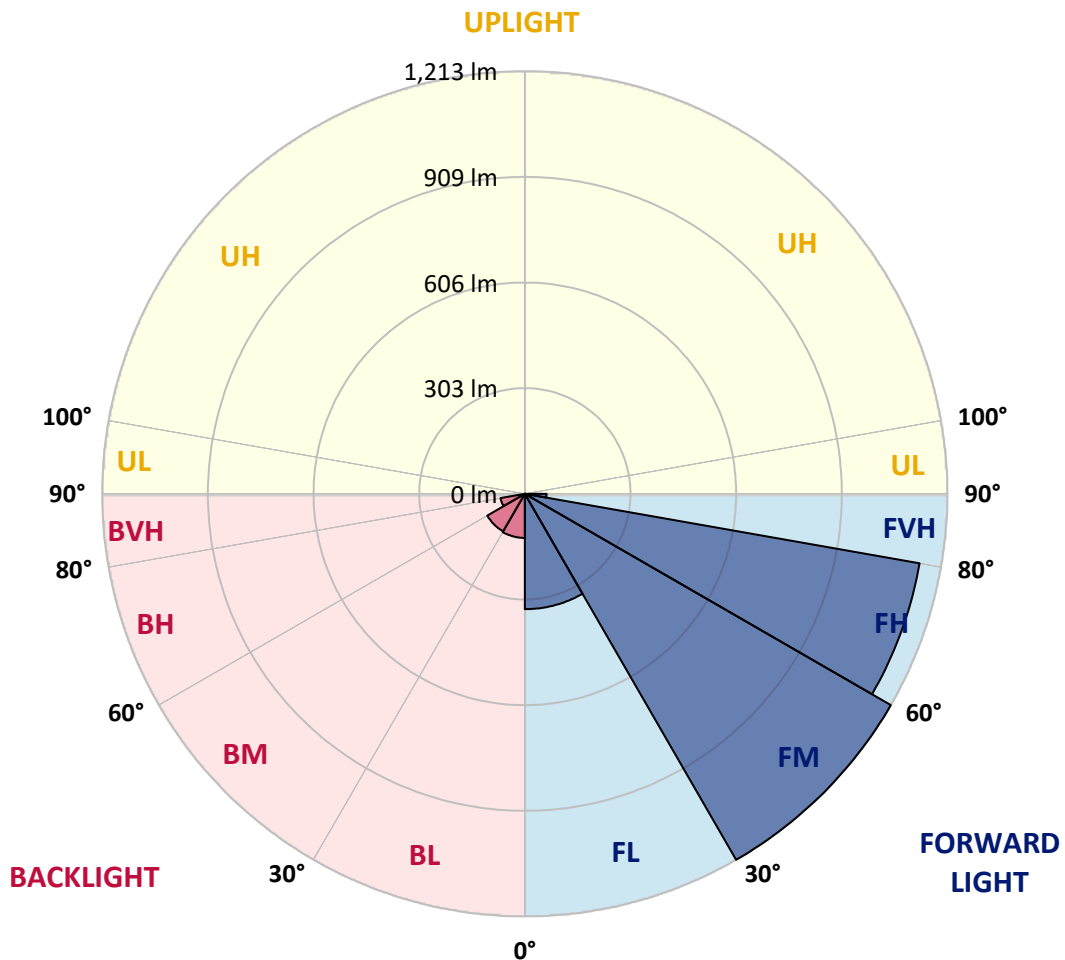


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	331.0	10.8			
FM (30°-60°)	1212.6	39.4			
FH (60°-80°)	1150.3	37.4			G1/1800
FVH (80°-90°)	62.3	2.0			G1/100
BL (0°-30°)	126.7	4.1	B1/500		
BM (30°-60°)	124.4	4.0	B0/220		
BH (60°-80°)	70.6	2.3	B0/110		G0/110
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-G1
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	955.7	955.7	955.7	955.7	955.7	955.7	955.7	955.7	955.7	955.7	955.7
2.5°	973.0	976.6	968.0	978.1	968.7	973.0	968.0	966.5	967.2	968.0	962.2
5°	927.5	936.2	939.8	934.0	947.7	945.6	954.2	955.0	951.3	947.7	948.5
7.5°	867.6	876.3	879.9	883.5	897.2	915.3	926.8	919.6	925.4	938.4	918.9
10°	824.3	822.1	821.4	828.6	854.6	869.8	889.3	887.1	901.5	913.8	897.9
12.5°	770.9	766.6	779.6	785.3	808.4	835.1	850.3	866.2	880.6	893.6	875.6
15°	731.2	734.8	739.9	752.1	768.7	804.1	826.5	841.6	867.6	874.1	866.9
17.5°	699.4	702.3	709.5	716.0	737.0	770.9	806.3	824.3	851.7	869.1	846.7
20°	700.2	691.5	691.5	698.0	709.5	750.0	787.5	793.3	830.8	860.4	845.2
22.5°	700.9	698.0	691.5	690.8	695.8	724.7	763.0	775.9	816.4	851.0	833.0
25°	711.0	700.2	700.9	690.8	692.9	707.4	737.7	757.2	803.4	856.1	826.5
27.5°	719.6	724.7	714.6	710.3	698.0	697.3	722.5	739.1	796.9	867.6	830.8
30°	739.1	742.7	742.7	739.9	728.3	711.7	717.5	738.4	783.9	865.5	823.6
32.5°	771.6	765.1	773.8	769.5	754.3	728.3	733.4	744.2	791.8	892.9	835.1
35°	782.4	787.5	799.0	789.7	784.6	769.5	759.3	767.3	803.4	920.3	852.5
37.5°	815.6	808.4	816.4	837.3	842.4	814.9	795.4	807.0	846.7	952.8	868.3
40°	818.5	824.3	838.7	879.9	884.9	873.4	857.5	860.4	890.0	994.7	908.0
42.5°	833.0	839.5	869.1	903.7	931.1	933.3	921.8	921.8	947.0	1061.8	952.1
45°	861.1	850.3	888.6	947.0	986.7	994.7	1009.8	1006.2	1026.4	1132.5	1034.4
47.5°	872.0	875.6	917.4	988.2	1033.6	1070.4	1095.7	1096.4	1106.5	1222.8	1141.2
50°	907.3	906.6	957.1	1022.8	1089.9	1157.1	1206.1	1206.1	1205.4	1310.8	1232.9
52.5°	954.2	952.8	991.8	1069.7	1157.1	1241.5	1306.5	1308.6	1325.2	1419.1	1338.2
55°	1030.7	1024.3	1061.8	1119.5	1224.2	1326.7	1439.3	1440.0	1427.0	1496.3	1414.0
57.5°	1095.0	1094.3	1125.3	1180.9	1299.3	1436.4	1567.1	1586.5	1545.4	1575.7	1474.7
60°	1078.4	1087.8	1152.0	1234.3	1378.7	1573.6	1704.9	1735.2	1669.6	1629.9	1520.1
62.5°	975.2	996.8	1066.8	1198.2	1445.8	1772.8	1894.8	1881.0	1734.5	1676.1	1575.7
65°	701.6	723.3	809.9	1006.9	1367.8	1913.5	2144.5	2082.4	1850.0	1744.6	1650.1
67.5°	412.9	421.5	475.7	642.4	1022.8	1837.0	2447.7	2452.7	2077.4	1850.0	1778.5
70°	298.1	304.6	325.5	379.0	566.6	1440.0	2616.6	2747.9	2392.8	1971.3	1710.7
72.5°	228.8	228.8	264.2	315.4	360.9	862.6	2408.0	2671.4	2461.4	1855.1	1378.7
75°	164.6	168.9	207.2	271.4	332.8	433.1	1774.2	2120.0	2086.0	1503.5	962.9
77.5°	94.6	96.7	145.8	227.4	312.5	297.4	1096.4	1437.1	1477.6	941.2	417.2
80°	48.4	49.8	81.6	179.7	283.0	259.1	654.0	946.3	802.7	273.6	96.7
82.5°	23.8	23.8	36.8	114.8	240.4	229.5	384.7	522.6	284.4	62.8	40.4
85°	7.9	8.7	16.6	65.0	174.0	138.6	235.3	248.3	95.3	23.8	22.4
87.5°	2.2	2.9	4.3	23.8	75.8	90.9	140.0	158.8	39.0	9.4	10.8
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°	955.7	955.7	955.7	955.7	955.7	955.7	955.7	955.7	955.7	955.7	955.7
2.5°	940.5	935.5	929.7	915.3	903.7	888.6	878.4	870.5	855.3	858.2	851.7
5°	931.1	921.8	888.6	856.8	827.9	783.9	753.6	734.1	718.2	702.3	713.9
7.5°	914.5	892.2	840.2	781.0	719.6	661.9	604.2	569.5	544.2	521.1	520.4
10°	886.4	850.3	768.7	691.5	596.9	521.1	447.5	389.8	352.2	324.8	324.1
12.5°	854.6	817.1	714.6	589.0	480.0	373.2	285.1	223.8	188.4	166.7	163.9
15°	834.4	779.6	646.7	498.1	363.1	243.3	158.1	119.8	106.1	101.1	101.1
17.5°	808.4	745.6	579.6	403.5	251.9	140.8	102.5	92.4	91.7	90.2	88.8
20°	797.6	719.6	519.7	321.9	159.5	99.6	88.1	85.9	85.9	84.5	83.0
22.5°	768.7	682.1	456.2	236.0	106.1	87.3	83.0	80.1	78.7	77.2	78.7
25°	755.7	655.4	396.3	163.1	86.6	78.0	75.8	72.9	70.7	70.0	70.0
27.5°	747.1	628.7	337.8	113.3	76.5	71.5	67.1	65.0	62.1	59.2	59.2
30°	740.6	607.8	281.5	83.7	68.6	63.5	59.9	54.9	51.2	48.4	48.4
32.5°	731.9	583.2	225.2	71.5	62.1	57.0	50.5	46.2	41.1	39.0	39.0
35°	734.8	566.6	176.8	63.5	55.6	49.1	43.3	37.5	32.5	30.3	29.6
37.5°	740.6	554.4	134.3	57.0	49.8	42.6	36.1	29.6	26.7	23.8	23.8
40°	765.1	550.7	98.9	52.7	45.5	37.5	30.3	24.5	21.7	19.5	18.8
42.5°	806.3	555.8	76.5	47.6	41.1	31.8	25.3	20.2	17.3	15.2	14.4
45°	859.0	575.3	62.8	44.8	36.1	26.7	20.2	16.6	13.0	11.5	11.5
47.5°	935.5	605.6	54.9	41.1	31.8	22.4	17.3	13.0	10.1	8.7	8.7
50°	1022.1	640.2	48.4	36.8	27.4	18.8	13.7	10.1	7.2	6.5	6.5
52.5°	1108.7	684.3	44.8	33.9	23.8	15.2	10.8	7.2	5.1	4.3	4.3
55°	1199.7	723.3	40.4	31.8	19.5	12.3	7.9	4.3	2.9	2.2	2.2
57.5°	1263.2	738.4	35.4	27.4	15.2	9.4	5.8	2.9	1.4	0.7	0.7
60°	1308.6	740.6	30.3	22.4	11.5	7.2	3.6	1.4	0.7	0.0	0.0
62.5°	1346.9	744.9	26.0	17.3	8.7	5.1	2.2	0.7	0.0	0.0	0.0
65°	1422.7	741.3	20.9	13.7	5.8	2.9	1.4	0.0	0.0	0.0	0.0
67.5°	1482.6	705.2	16.6	9.4	3.6	1.4	0.7	0.0	0.0	0.0	0.0
70°	1311.5	537.8	13.0	6.5	2.2	0.7	0.0	0.0	0.0	0.0	0.0
72.5°	1030.0	358.7	8.7	3.6	1.4	0.7	0.0	0.0	0.0	0.0	0.0
75°	675.6	178.3	6.5	2.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	262.7	46.9	4.3	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	63.5	15.9	2.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	27.4	5.8	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	16.6	2.9	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.7	1.4	0.7	0.7	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)