

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: P676703

Luminaire Tested: **CCW-SA-2C-735-U-T4W-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676703
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-735-U-T4W-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
T4W distribution lens and House Side Shield
Light Source: (32) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

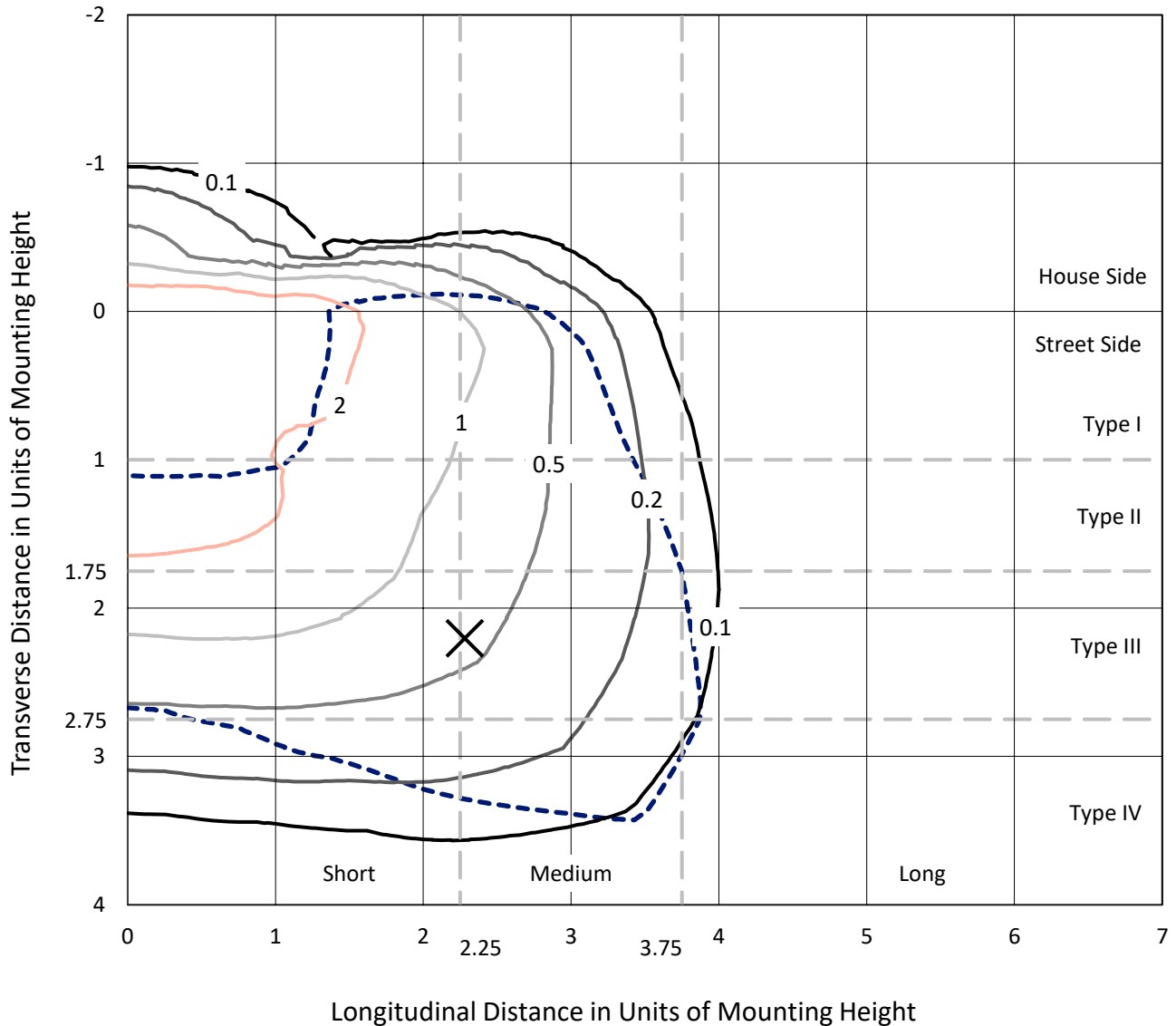
Lumens per Lamp: N/A
Luminaire Lumens: 6433.9 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1
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

REPORT NUMBER: P676703
 CATALOG NUMBER: CCW-SA-2C-735-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination

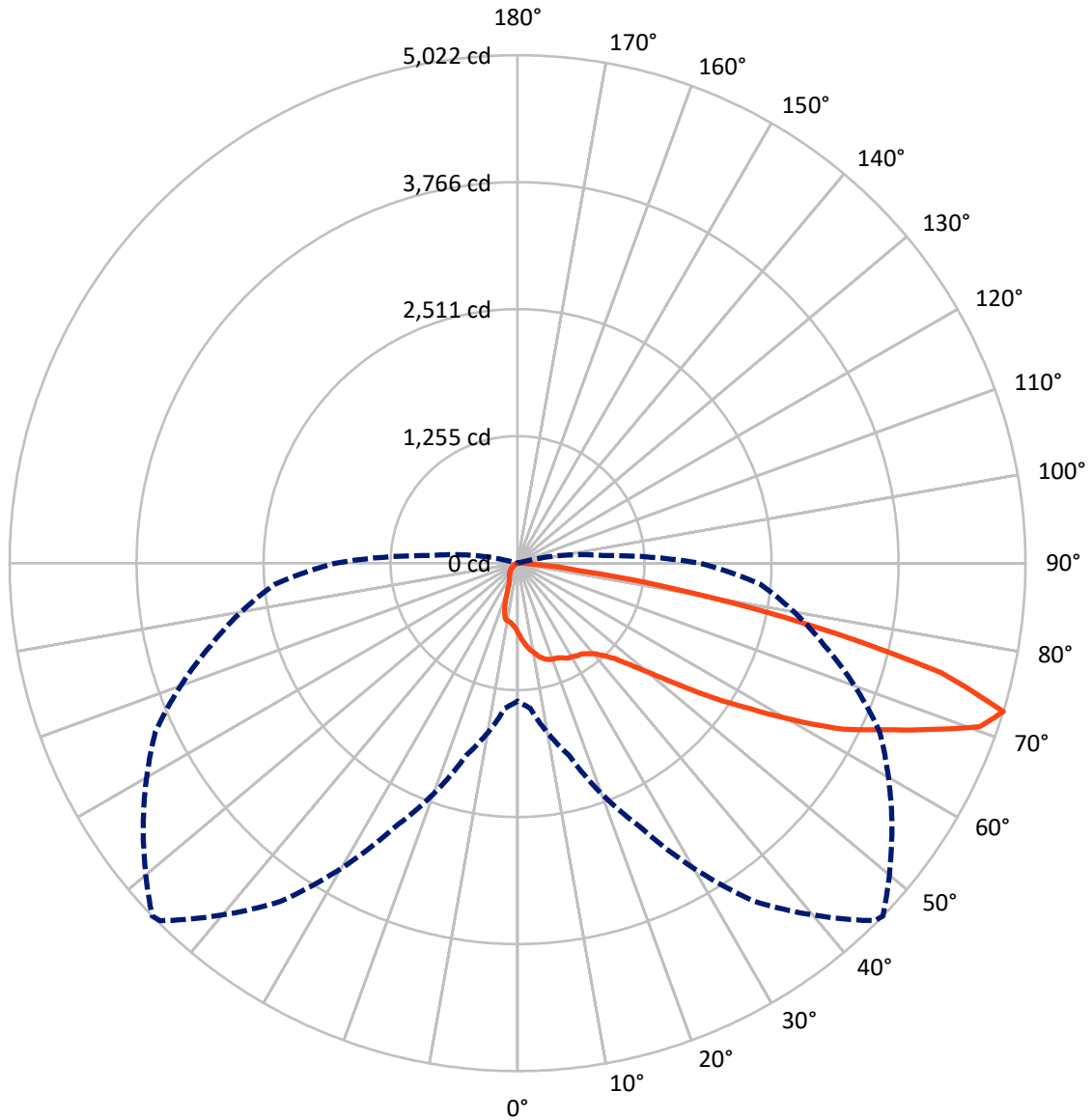
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.5 fc
 Type IV - Medium - N/A

REPORT NUMBER: P676703
CATALOG NUMBER: CCW-SA-2C-735-U-T4W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P676703
 CATALOG NUMBER: CCW-SA-2C-735-U-T4W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	692.7	0.0	692.7
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	5741.2	0.0	5741.2
	% Fixture	89.2	0.0	89.2
Total	Lumens	6433.9	0.0	6433.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.8	1.1
10°-20°	207.8	3.2
20°-30°	325.3	5.1
30°-40°	455.5	7.1
40°-50°	751.2	11.7
50°-60°	1350.2	21.0
60°-70°	1956.9	30.4
70°-80°	1221.3	19.0
80°-90°	96.8	1.5
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°	6433.9	100.0
0°-180°	6433.9	100.0



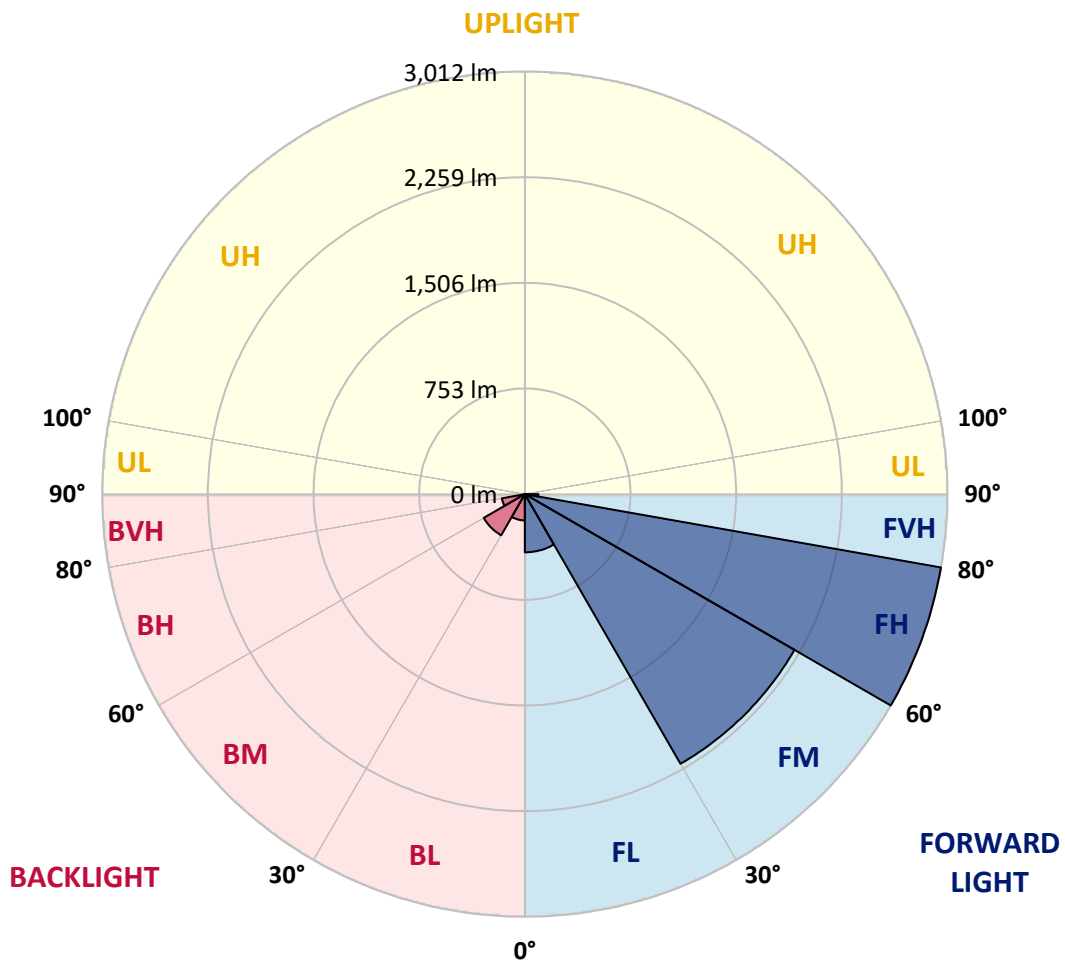
REPORT NUMBER: P676703
 CATALOG NUMBER: CCW-SA-2C-735-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	414.7	6.4			
FM (30°-60°)	2218.6	34.5			
FH (60°-80°)	3011.7	46.8			G2/5000
FVH (80°-90°)	96.3	1.5			G1/100
BL (0°-30°)	187.2	2.9	B1/500		
BM (30°-60°)	338.4	5.3	B1/1000		
BH (60°-80°)	166.6	2.6	B1/500		G1/500
BVH (80°-90°)	0.5	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-G2

Type IV Medium





REPORT NUMBER: P676703

CATALOG NUMBER: CCW-SA-2C-735-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	687.6	687.6	687.6	687.6	687.6	687.6	687.6	687.6	687.6	687.6	687.6
2.5°	769.7	766.4	771.3	769.7	750.0	753.3	751.6	738.5	715.5	702.4	694.2
5°	858.3	866.5	859.9	845.2	833.7	810.7	807.4	786.1	750.0	727.0	702.4
7.5°	950.2	950.2	937.1	914.1	889.5	864.9	861.6	825.5	794.3	754.9	720.5
10°	1019.1	1010.9	1001.1	976.5	948.6	915.7	899.3	873.1	838.6	791.0	746.7
12.5°	1079.9	1066.7	1050.3	1014.2	981.4	945.3	948.6	905.9	882.9	840.3	774.6
15°	1114.3	1102.8	1088.1	1055.2	1004.4	988.0	981.4	955.1	914.1	871.4	809.1
17.5°	1122.5	1114.3	1094.6	1052.0	1024.1	1004.4	1002.7	971.5	953.5	917.4	848.5
20°	1106.1	1091.3	1076.6	1048.7	1022.4	1015.9	1010.9	1010.9	988.0	940.4	873.1
22.5°	1078.2	1061.8	1053.6	1037.2	1015.9	1014.2	1017.5	1014.2	996.2	965.0	899.3
25°	1056.9	1048.7	1035.5	1030.6	1017.5	1042.1	1037.2	1032.3	1027.3	991.2	940.4
27.5°	1063.4	1061.8	1052.0	1032.3	1022.4	1048.7	1063.4	1065.1	1063.4	1027.3	978.1
30°	1066.7	1058.5	1048.7	1043.8	1047.0	1073.3	1073.3	1109.4	1094.6	1058.5	1015.9
32.5°	1104.5	1099.5	1066.7	1055.2	1056.9	1088.1	1089.7	1125.8	1120.9	1096.3	1048.7
35°	1184.9	1152.1	1104.5	1071.6	1071.6	1112.7	1099.5	1152.1	1165.2	1125.8	1071.6
37.5°	1304.7	1280.1	1194.7	1120.9	1093.0	1122.5	1135.7	1165.2	1204.6	1170.1	1117.6
40°	1542.7	1537.7	1416.3	1257.1	1147.1	1173.4	1178.3	1224.3	1250.5	1202.9	1188.2
42.5°	1890.6	1866.0	1752.7	1501.6	1245.6	1234.1	1252.2	1281.7	1344.1	1304.7	1268.6
45°	2230.3	2218.8	2105.6	1824.9	1424.5	1355.6	1345.7	1398.2	1490.1	1447.5	1419.6
47.5°	2476.4	2453.5	2389.5	2153.1	1687.1	1498.3	1504.9	1557.4	1673.9	1641.1	1649.3
50°	2665.2	2653.7	2586.4	2456.8	2018.6	1723.2	1710.0	1762.6	1920.1	1941.4	1964.4
52.5°	2872.0	2893.3	2803.0	2693.1	2410.8	2025.1	1995.6	2013.7	2217.2	2266.4	2330.4
55°	3070.5	3105.0	3014.7	3000.0	2821.1	2359.9	2355.0	2312.3	2574.9	2581.5	2615.9
57.5°	3200.2	3188.7	3182.1	3262.5	3231.4	2743.9	2719.3	2676.7	2914.6	2872.0	2975.3
60°	3210.0	3242.8	3352.8	3551.4	3607.2	3195.3	3159.2	3042.6	3208.4	3106.6	3303.6
62.5°	3283.9	3310.1	3513.6	3787.7	3859.9	3592.4	3617.0	3321.6	3459.5	3379.1	3667.9
65°	3096.8	3178.8	3587.5	3971.5	4191.4	3994.5	3969.9	3681.0	3717.1	3641.6	4027.3
67.5°	2927.8	2958.9	3385.6	4027.3	4454.0	4398.2	4388.3	3999.4	3983.0	3843.5	4129.1
70°	2379.6	2417.4	2839.1	3741.7	4542.6	4869.2	4846.2	4445.8	4163.5	3733.5	3607.2
72.5°	1363.8	1439.3	1967.7	2881.8	4081.5	5000.5	5021.8	4518.0	3950.2	3139.5	2409.2
75°	446.4	467.7	817.3	1632.9	3052.5	4362.1	4324.3	3882.9	3187.1	2072.7	1088.1
77.5°	151.0	154.3	241.2	590.8	1692.0	2947.4	2968.8	2775.1	1957.9	861.6	300.3
80°	77.1	82.1	118.2	221.6	695.8	1605.0	1639.5	1582.0	820.6	254.4	72.2
82.5°	36.1	37.7	68.9	123.1	318.4	630.2	630.2	692.6	290.5	142.8	29.5
85°	13.1	13.1	36.1	70.6	134.6	210.1	211.7	213.3	152.6	106.7	13.1
87.5°	4.9	4.9	18.1	29.5	49.2	64.0	64.0	50.9	77.1	70.6	4.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P676703
 CATALOG NUMBER: CCW-SA-2C-735-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	687.6	687.6	687.6	687.6	687.6	687.6	687.6	687.6	687.6	687.6	687.6
2.5°	690.9	681.1	672.9	661.4	646.6	638.4	640.0	630.2	630.2	625.3	623.6
5°	690.9	681.1	659.7	640.0	626.9	610.5	602.3	595.7	595.7	592.4	594.1
7.5°	695.8	681.1	651.5	625.3	603.9	587.5	574.4	572.8	569.5	561.3	567.8
10°	725.4	704.0	654.8	618.7	594.1	576.0	553.1	546.5	536.6	521.9	523.5
12.5°	750.0	722.1	677.8	628.5	597.4	567.8	515.3	457.9	433.3	407.0	408.6
15°	786.1	746.7	686.0	641.7	597.4	502.2	407.0	333.1	293.8	274.1	274.1
17.5°	805.8	773.0	709.0	649.9	549.8	408.6	288.8	224.8	218.3	221.6	221.6
20°	846.8	802.5	735.2	656.4	471.0	290.5	211.7	205.1	208.4	215.0	213.3
22.5°	873.1	828.8	754.9	626.9	364.3	208.4	198.6	195.3	198.6	206.8	206.8
25°	894.4	866.5	786.1	554.7	257.7	188.7	185.4	188.7	192.0	195.3	200.2
27.5°	946.9	899.3	807.4	461.2	185.4	175.6	178.9	180.5	180.5	185.4	187.1
30°	981.4	943.6	823.8	356.1	164.1	162.5	165.8	167.4	169.0	174.0	175.6
32.5°	1014.2	1001.1	802.5	241.2	154.3	151.0	149.3	151.0	157.5	162.5	160.8
35°	1061.8	1053.6	771.3	167.4	144.4	137.9	134.6	136.2	141.1	146.1	144.4
37.5°	1119.2	1127.4	695.8	146.1	134.6	126.4	119.8	119.8	121.4	126.4	128.0
40°	1186.5	1207.9	607.2	136.2	128.0	118.2	111.6	103.4	101.7	100.1	101.7
42.5°	1309.6	1334.2	507.1	129.6	118.2	106.7	96.8	87.0	78.8	73.9	73.9
45°	1481.9	1462.2	375.8	123.1	113.2	96.8	82.1	70.6	59.1	54.2	54.2
47.5°	1719.9	1652.6	257.7	116.5	105.0	85.3	68.9	54.2	44.3	39.4	39.4
50°	2049.8	1828.2	167.4	110.0	100.1	73.9	55.8	39.4	32.8	31.2	32.8
52.5°	2361.6	2007.1	132.9	101.7	90.3	64.0	42.7	32.8	29.5	27.9	27.9
55°	2648.8	2097.3	118.2	93.5	82.1	52.5	36.1	27.9	26.3	24.6	24.6
57.5°	2891.6	2128.5	101.7	82.1	65.6	41.0	29.5	24.6	21.3	19.7	19.7
60°	3101.7	2136.7	78.8	65.6	47.6	31.2	24.6	21.3	18.1	14.8	14.8
62.5°	3269.1	2079.3	55.8	46.0	32.8	24.6	21.3	14.8	9.8	6.6	4.9
65°	3402.0	1964.4	37.7	31.2	21.3	18.1	13.1	6.6	1.6	0.0	0.0
67.5°	3246.1	1703.5	29.5	23.0	14.8	11.5	6.6	1.6	0.0	0.0	0.0
70°	2647.1	1321.1	21.3	14.8	9.8	3.3	1.6	0.0	0.0	0.0	0.0
72.5°	1801.9	851.7	16.4	9.8	4.9	1.6	0.0	0.0	0.0	0.0	0.0
75°	809.1	305.2	11.5	6.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	196.9	72.2	8.2	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	52.5	18.1	4.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	19.7	6.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	8.2	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.3	1.6	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)