

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: P676891

Luminaire Tested: **CCW-SA-2C-827-U-SL2-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676891
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-827-U-SL2-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
SL2 distribution lens and House Side Shield
Light Source: (32) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

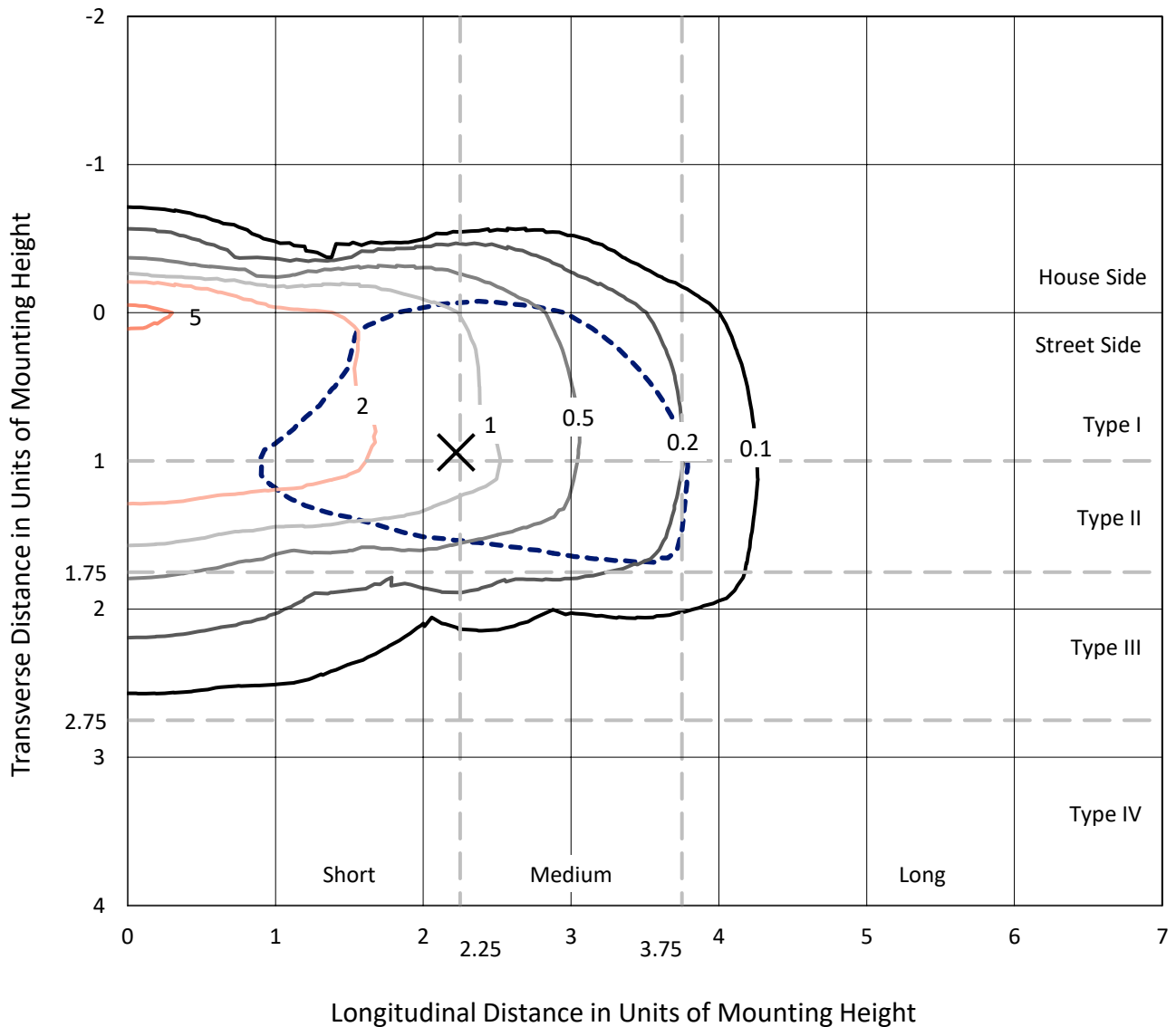
Lumens per Lamp: N/A
Luminaire Lumens: 5344.8 lumens
Efficiency: N/A
Efficacy: 86.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

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

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Iso-Footcandle Lines of Horizontal Illumination

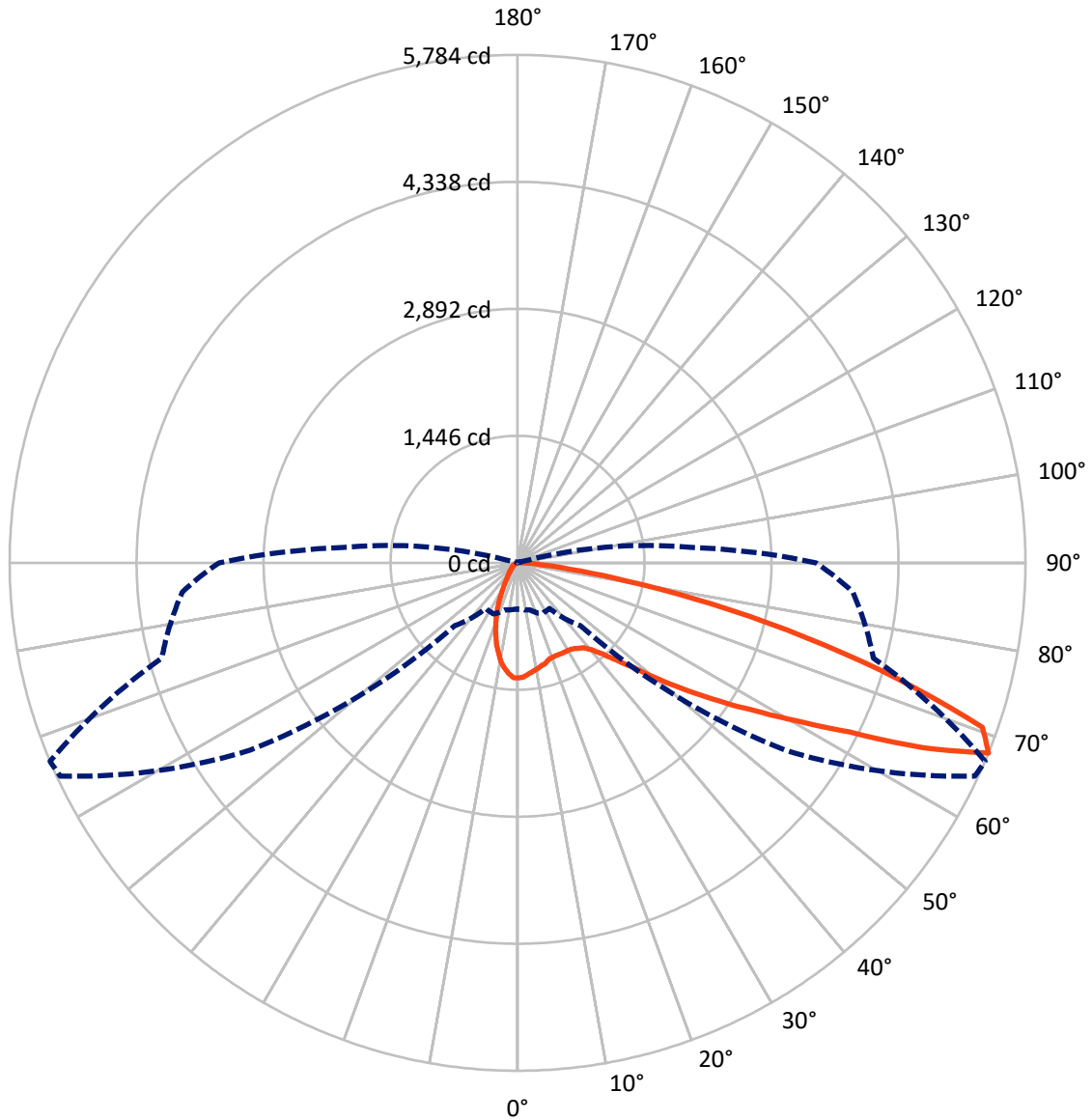
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.8 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	672.7	0.0	672.7
	% Fixture	12.6	0.0	12.6
Street Side	Lumens	4672.1	0.0	4672.1
	% Fixture	87.4	0.0	87.4
Total	Lumens	5344.8	0.0	5344.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.4	2.1
10°-20°	245.4	4.6
20°-30°	348.9	6.5
30°-40°	508.1	9.5
40°-50°	786.3	14.7
50°-60°	1206.8	22.6
60°-70°	1308.1	24.5
70°-80°	738.0	13.8
80°-90°	92.7	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°	5344.8	100.0
0°-180°	5344.8	100.0

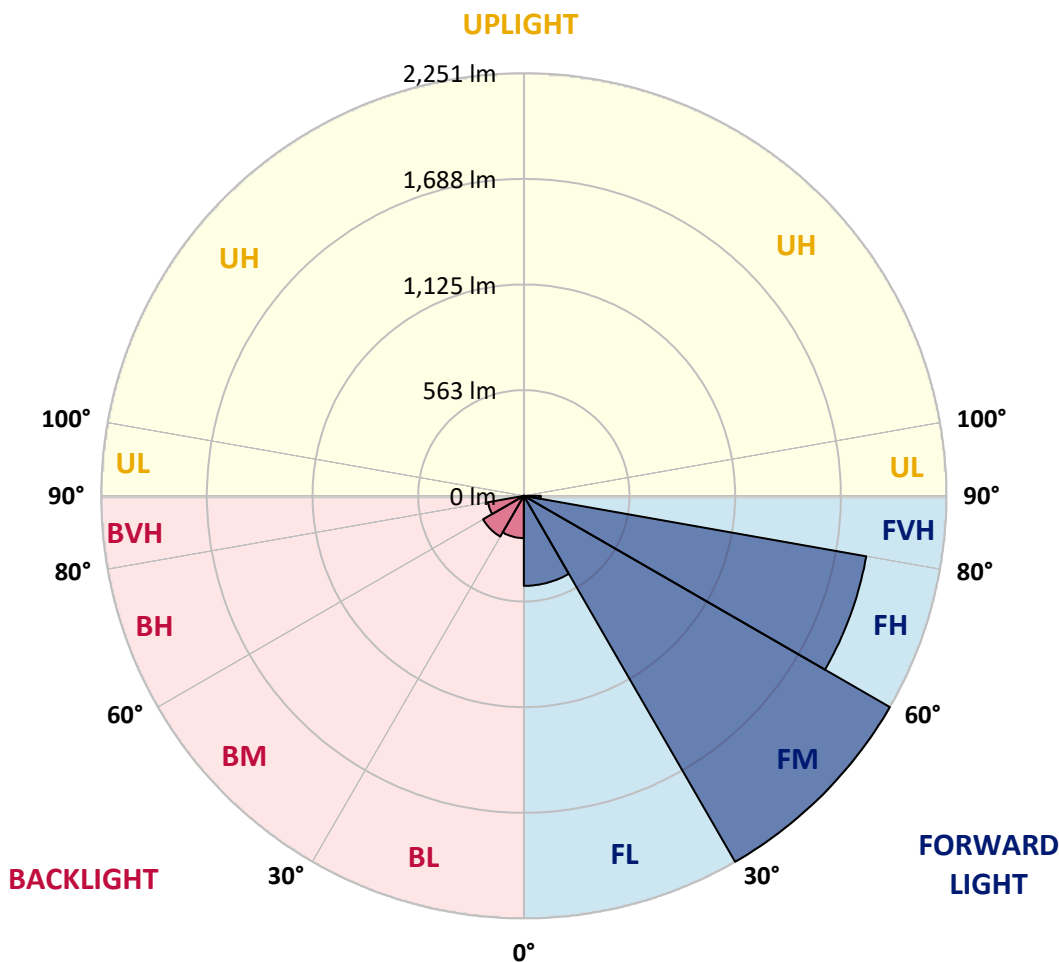


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	479.6	9.0			
FM (30°-60°)	2250.6	42.1			
FH (60°-80°)	1851.9	34.6			G2/5000
FVH (80°-90°)	90.1	1.7			G1/100
BL (0°-30°)	225.2	4.2	B1/500		
BM (30°-60°)	250.5	4.7	B1/1000		
BH (60°-80°)	194.3	3.6	B1/500		G1/500
BVH (80°-90°)	2.7	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1311.0	1311.0	1311.0	1311.0	1311.0	1311.0	1311.0	1311.0	1311.0	1311.0	1311.0
2.5°	1254.3	1260.7	1269.8	1282.6	1291.7	1286.5	1290.4	1312.3	1300.7	1311.0	1305.8
5°	1184.8	1191.2	1204.1	1202.8	1213.1	1232.4	1258.2	1286.5	1273.6	1304.5	1316.1
7.5°	1112.7	1110.1	1110.1	1137.1	1159.0	1186.1	1200.2	1246.6	1247.9	1274.9	1303.2
10°	1047.0	1054.7	1067.6	1077.9	1098.5	1137.1	1178.3	1214.4	1228.6	1282.6	1290.4
12.5°	1007.1	1010.9	1026.4	1035.4	1062.4	1099.8	1143.6	1189.9	1201.5	1256.9	1294.2
15°	990.3	999.3	1004.5	1021.2	1035.4	1070.2	1102.3	1155.1	1188.6	1232.4	1278.8
17.5°	1003.2	999.3	1001.9	1007.1	1023.8	1054.7	1089.5	1142.3	1153.9	1227.3	1296.8
20°	1019.9	1021.2	1013.5	1010.9	1007.1	1036.7	1065.0	1133.3	1146.1	1227.3	1308.4
22.5°	1065.0	1050.8	1065.0	1044.4	1023.8	1036.7	1063.7	1134.5	1143.6	1226.0	1320.0
25°	1120.4	1123.0	1126.8	1083.0	1053.4	1044.4	1072.7	1138.4	1146.1	1236.3	1325.1
27.5°	1198.9	1210.5	1191.2	1169.3	1110.1	1065.0	1071.4	1135.8	1150.0	1231.1	1338.0
30°	1304.5	1295.5	1298.1	1247.9	1189.9	1119.1	1101.1	1142.3	1152.6	1237.6	1362.5
32.5°	1396.0	1385.7	1403.7	1385.7	1294.2	1196.4	1135.8	1155.1	1166.7	1253.0	1383.1
35°	1452.6	1465.5	1493.8	1513.2	1435.9	1296.8	1193.8	1189.9	1195.1	1260.7	1398.5
37.5°	1540.2	1563.4	1586.6	1635.5	1568.5	1420.4	1285.2	1235.0	1226.0	1298.1	1406.3
40°	1635.5	1629.1	1697.3	1755.3	1752.7	1594.3	1412.7	1314.8	1302.0	1357.3	1457.8
42.5°	1715.3	1708.9	1784.9	1880.2	1890.5	1761.7	1558.2	1428.2	1416.6	1448.8	1520.9
45°	1819.6	1824.8	1914.9	2028.3	2065.6	1983.2	1755.3	1590.4	1584.0	1573.7	1640.6
47.5°	1912.4	1940.7	2018.0	2151.9	2287.1	2212.4	1987.1	1827.4	1782.3	1759.1	1826.1
50°	1976.8	2002.5	2096.5	2239.5	2486.7	2534.4	2247.2	2079.8	2081.1	2024.4	2060.5
52.5°	1976.8	1975.5	2051.5	2239.5	2625.8	2870.5	2594.9	2397.9	2408.2	2348.9	2351.5
55°	1786.2	1782.3	1875.0	2074.6	2610.4	3193.7	3121.6	2800.9	2775.2	2660.6	2672.2
57.5°	1438.5	1447.5	1518.3	1757.8	2409.5	3344.4	3748.8	3254.2	3166.7	2929.7	2929.7
60°	1049.6	1041.8	1094.6	1262.0	1930.4	3287.7	4263.9	3788.7	3650.9	3152.5	3119.0
62.5°	798.4	797.1	811.3	868.0	1224.7	2866.6	4485.4	4468.6	4244.6	3371.4	3323.8
65°	645.2	647.8	667.1	707.0	748.2	1954.9	4368.2	5279.9	5075.2	3697.3	3541.4
67.5°	526.7	533.1	556.3	642.6	633.6	1012.2	3720.4	5744.8	5783.5	4194.3	3833.8
70°	405.7	416.0	443.0	565.3	610.4	673.5	2579.4	5513.0	5616.1	4503.4	3657.3
72.5°	275.6	274.3	332.3	458.5	616.9	616.9	1435.9	4440.3	4538.2	4151.8	3177.0
75°	149.4	158.4	220.2	346.4	565.3	596.2	817.7	3249.1	3386.9	3228.5	2457.1
77.5°	81.1	82.4	122.3	226.7	470.0	569.2	546.0	2209.9	2263.9	1947.1	1345.7
80°	42.5	43.8	64.4	148.1	324.5	528.0	454.6	1317.4	1265.9	746.9	444.3
82.5°	19.3	20.6	32.2	92.7	207.3	416.0	392.8	636.2	587.2	208.6	135.2
85°	7.7	7.7	14.2	55.4	121.1	204.8	336.1	319.4	266.6	63.1	67.0
87.5°	2.6	2.6	3.9	21.9	48.9	122.3	179.0	168.7	115.9	23.2	36.1
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°	1311.0	1311.0	1311.0	1311.0	1311.0	1311.0	1311.0	1311.0	1311.0	1311.0	1311.0
2.5°	1300.7	1314.8	1311.0	1308.4	1283.9	1281.4	1278.8	1255.6	1263.3	1244.0	1256.9
5°	1308.4	1316.1	1295.5	1256.9	1222.1	1183.5	1153.9	1133.3	1095.9	1081.7	1079.2
7.5°	1300.7	1300.7	1258.2	1196.4	1128.1	1065.0	985.2	928.5	886.0	853.8	865.4
10°	1290.4	1274.9	1231.1	1121.7	998.0	902.7	788.1	704.4	641.3	620.7	607.8
12.5°	1290.4	1263.3	1165.5	1016.1	856.4	712.1	575.6	466.2	405.7	369.6	364.4
15°	1278.8	1238.9	1117.8	916.9	718.6	522.8	367.0	273.0	221.5	207.3	202.2
17.5°	1281.4	1233.7	1047.0	799.7	557.6	347.7	224.1	172.6	159.7	153.2	154.5
20°	1286.5	1233.7	983.9	685.1	401.8	216.3	154.5	145.5	139.1	136.5	137.8
22.5°	1303.2	1209.2	919.5	567.9	271.7	155.8	136.5	127.5	122.3	118.5	117.2
25°	1305.8	1205.4	857.7	452.0	186.7	131.4	119.8	109.5	103.0	97.9	96.6
27.5°	1302.0	1188.6	771.4	336.1	140.4	117.2	101.7	91.4	82.4	78.6	77.3
30°	1316.1	1157.7	698.0	242.1	118.5	101.7	86.3	74.7	67.0	61.8	61.8
32.5°	1317.4	1130.7	616.9	172.6	108.2	90.1	73.4	60.5	52.8	50.2	50.2
35°	1318.7	1106.2	526.7	131.4	96.6	77.3	60.5	50.2	45.1	41.2	41.2
37.5°	1322.6	1088.2	444.3	110.8	86.3	65.7	50.2	41.2	36.1	34.8	34.8
40°	1330.3	1063.7	358.0	97.9	74.7	55.4	42.5	34.8	29.6	28.3	27.0
42.5°	1350.9	1057.3	285.9	87.6	67.0	46.4	34.8	28.3	24.5	21.9	20.6
45°	1435.9	1074.0	221.5	81.1	56.7	38.6	29.6	23.2	18.0	16.7	15.5
47.5°	1575.0	1129.4	175.1	72.1	47.6	32.2	24.5	18.0	14.2	12.9	11.6
50°	1786.2	1255.6	142.9	64.4	39.9	27.0	19.3	14.2	10.3	9.0	9.0
52.5°	2063.0	1425.6	123.6	56.7	32.2	23.2	15.5	10.3	7.7	6.4	6.4
55°	2346.4	1626.5	115.9	48.9	27.0	19.3	11.6	7.7	5.2	3.9	3.9
57.5°	2606.5	1756.5	112.0	39.9	23.2	14.2	9.0	5.2	2.6	1.3	1.3
60°	2768.8	1851.8	100.4	32.2	18.0	11.6	6.4	2.6	1.3	0.0	0.0
62.5°	2982.5	1948.4	82.4	24.5	12.9	7.7	3.9	1.3	0.0	0.0	0.0
65°	3264.6	2056.6	64.4	19.3	10.3	5.2	2.6	1.3	0.0	0.0	0.0
67.5°	3399.8	1999.9	43.8	14.2	6.4	2.6	1.3	0.0	0.0	0.0	0.0
70°	3129.3	1684.4	30.9	10.3	3.9	1.3	1.3	0.0	0.0	0.0	0.0
72.5°	2631.0	1320.0	23.2	6.4	2.6	1.3	0.0	0.0	0.0	0.0	0.0
75°	1939.4	825.5	18.0	5.2	2.6	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	1028.9	307.8	12.9	3.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0
80°	303.9	90.1	9.0	2.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	100.4	27.0	5.2	2.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	51.5	10.3	2.6	2.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	29.6	3.9	2.6	2.6	1.3	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)