

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: P676843

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

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676843
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1E-735-U-SL2-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @1050mA w/
SL2 distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

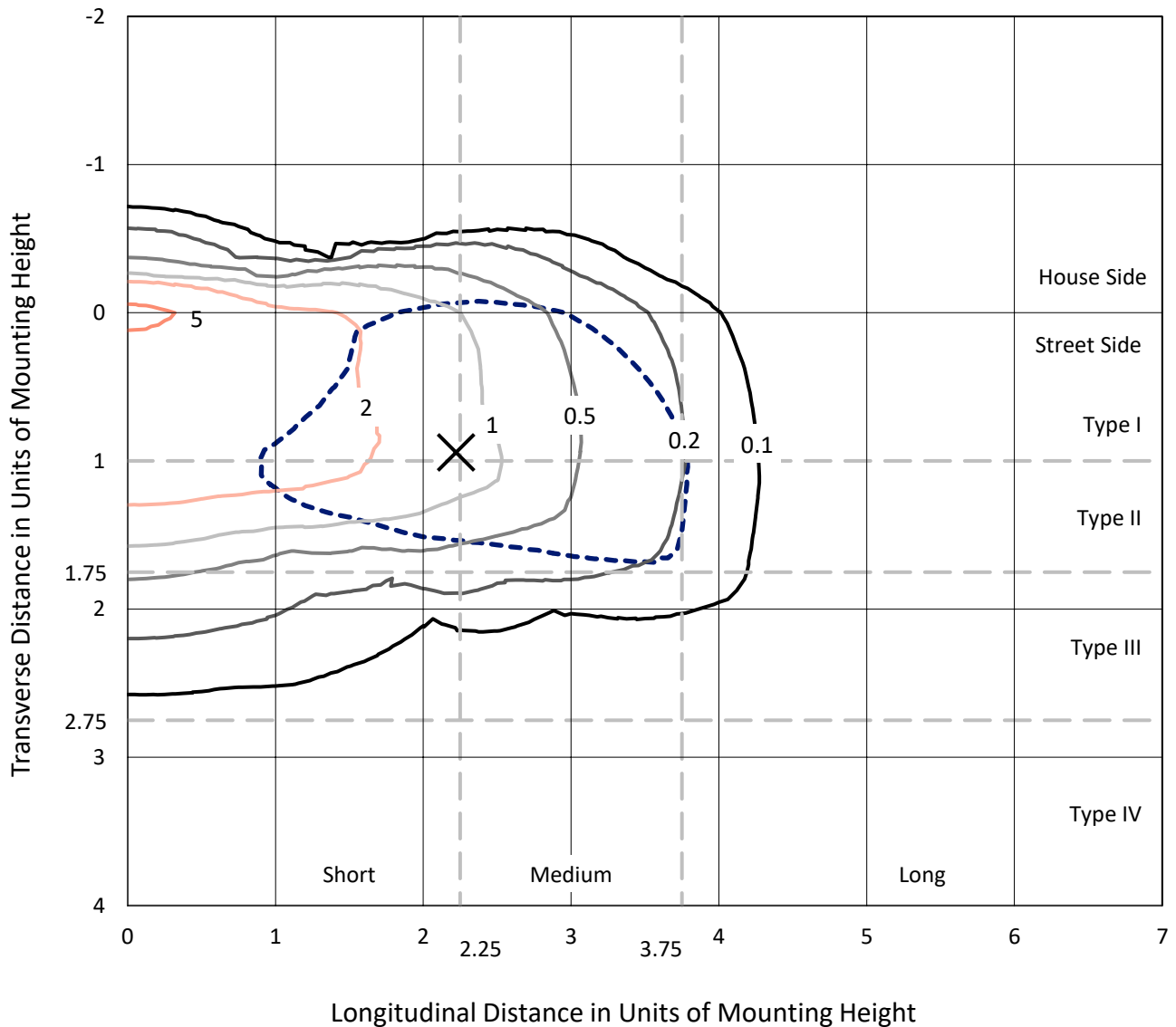
Lumens per Lamp: N/A
Luminaire Lumens: 5422.7 lumens
Efficiency: N/A
Efficacy: 96.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 56.1
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

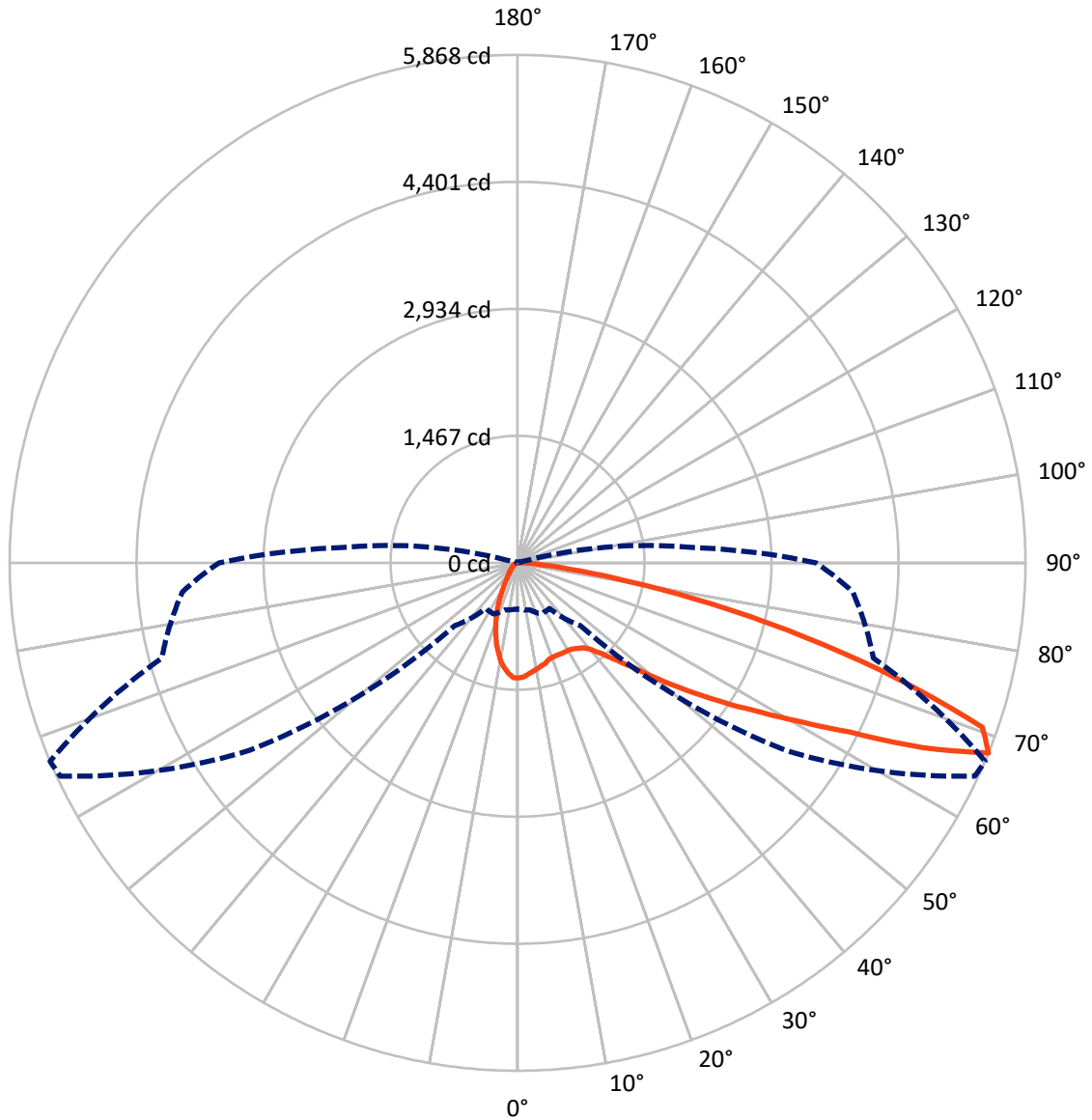
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.9 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	682.5	0.0	682.5
	% Fixture	12.6	0.0	12.6
Street Side	Lumens	4740.2	0.0	4740.2
	% Fixture	87.4	0.0	87.4
Total	Lumens	5422.7	0.0	5422.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.1	2.1
10°-20°	249.0	4.6
20°-30°	354.0	6.5
30°-40°	515.5	9.5
40°-50°	797.8	14.7
50°-60°	1224.4	22.6
60°-70°	1327.2	24.5
70°-80°	748.8	13.8
80°-90°	94.1	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°	5422.7	100.0
0°-180°	5422.7	100.0

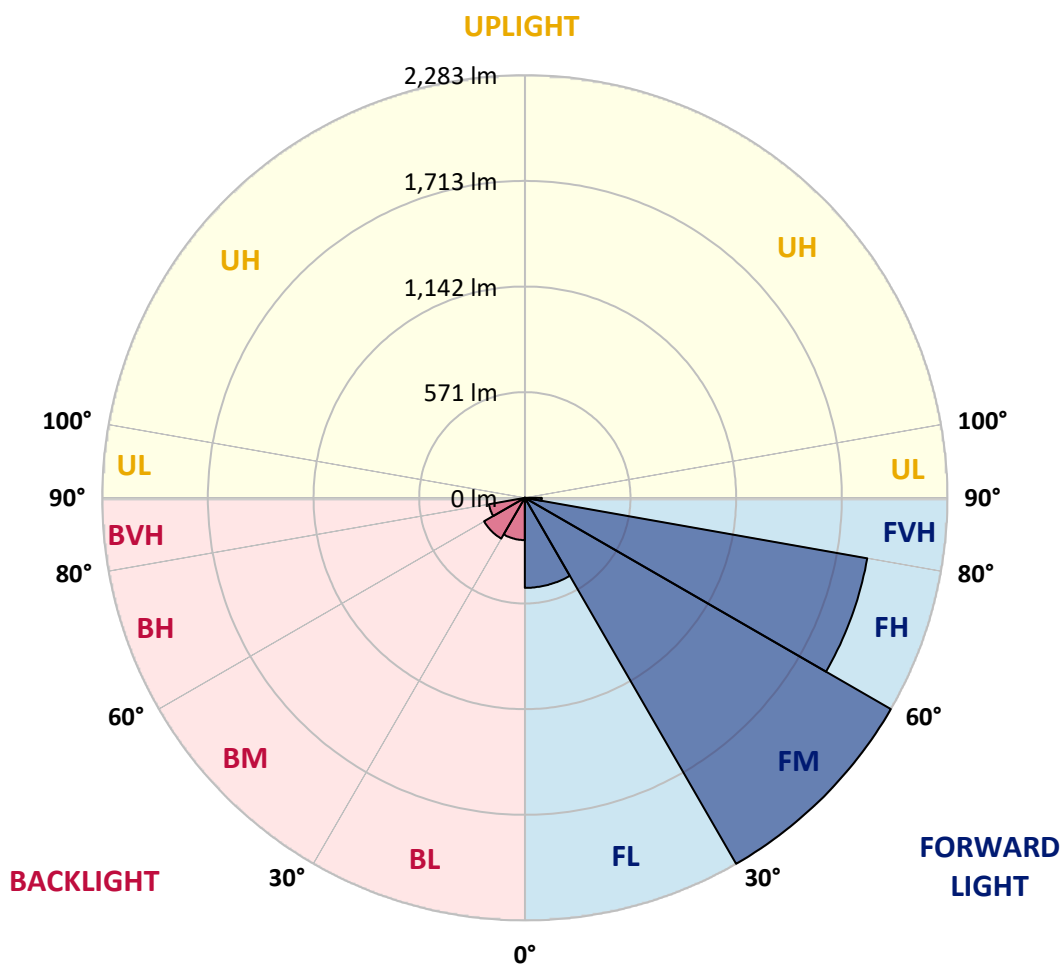


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	486.6	9.0			
FM (30°-60°)	2283.4	42.1			
FH (60°-80°)	1878.9	34.6			G2/5000
FVH (80°-90°)	91.4	1.7			G1/100
BL (0°-30°)	228.4	4.2	B1/500		
BM (30°-60°)	254.2	4.7	B1/1000		
BH (60°-80°)	197.1	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°	1330.1	1330.1	1330.1	1330.1	1330.1	1330.1	1330.1	1330.1	1330.1	1330.1	1330.1
2.5°	1272.6	1279.1	1288.3	1301.3	1310.5	1305.3	1309.2	1331.4	1319.6	1330.1	1324.9
5°	1202.0	1208.6	1221.6	1220.3	1230.8	1250.4	1276.5	1305.3	1292.2	1323.6	1335.3
7.5°	1128.9	1126.3	1126.3	1153.7	1175.9	1203.4	1217.7	1264.8	1266.1	1293.5	1322.3
10°	1062.2	1070.1	1083.2	1093.6	1114.5	1153.7	1195.5	1232.1	1246.5	1301.3	1309.2
12.5°	1021.7	1025.7	1041.3	1050.5	1077.9	1115.8	1160.2	1207.3	1219.0	1275.2	1313.1
15°	1004.8	1013.9	1019.1	1036.1	1050.5	1085.8	1118.4	1172.0	1206.0	1250.4	1297.4
17.5°	1017.8	1013.9	1016.5	1021.7	1038.7	1070.1	1105.4	1158.9	1170.7	1245.2	1315.7
20°	1034.8	1036.1	1028.3	1025.7	1021.7	1051.8	1080.5	1149.8	1162.9	1245.2	1327.5
22.5°	1080.5	1066.2	1080.5	1059.6	1038.7	1051.8	1079.2	1151.1	1160.2	1243.9	1339.2
25°	1136.7	1139.3	1143.3	1098.8	1068.8	1059.6	1088.4	1155.0	1162.9	1254.3	1344.5
27.5°	1216.4	1228.2	1208.6	1186.4	1126.3	1080.5	1087.1	1152.4	1166.8	1249.1	1357.5
30°	1323.6	1314.4	1317.0	1266.1	1207.3	1135.4	1117.1	1158.9	1169.4	1255.6	1382.4
32.5°	1416.3	1405.9	1424.2	1405.9	1313.1	1213.8	1152.4	1172.0	1183.8	1271.3	1403.3
35°	1473.8	1486.9	1515.6	1535.2	1456.8	1315.7	1211.2	1207.3	1212.5	1279.1	1418.9
37.5°	1562.7	1586.2	1609.7	1659.3	1591.4	1441.2	1304.0	1253.0	1243.9	1317.0	1426.8
40°	1659.3	1652.8	1722.1	1780.9	1778.2	1617.5	1433.3	1334.0	1320.9	1377.1	1479.0
42.5°	1740.4	1733.8	1810.9	1907.6	1918.1	1787.4	1581.0	1449.0	1437.2	1469.9	1543.1
45°	1846.2	1851.4	1942.9	2057.9	2095.7	2012.1	1780.9	1613.6	1607.1	1596.6	1664.6
47.5°	1940.3	1969.0	2047.4	2183.3	2320.5	2244.7	2016.0	1854.0	1808.3	1784.8	1852.7
50°	2005.6	2031.7	2127.1	2272.1	2523.0	2571.3	2280.0	2110.1	2111.4	2053.9	2090.5
52.5°	2005.6	2004.3	2081.4	2272.1	2664.1	2912.4	2632.7	2432.8	2443.3	2383.2	2385.8
55°	1812.2	1808.3	1902.4	2104.9	2648.4	3240.3	3167.1	2841.8	2815.7	2699.4	2711.1
57.5°	1459.4	1468.6	1540.5	1783.5	2444.6	3393.2	3803.4	3301.7	3212.9	2972.5	2972.5
60°	1064.9	1057.0	1110.6	1280.4	1958.6	3335.7	4326.1	3843.9	3704.1	3198.5	3164.5
62.5°	810.1	808.8	823.1	880.6	1242.6	2908.4	4550.8	4533.8	4306.5	3420.6	3372.3
65°	654.6	657.2	676.8	717.3	759.1	1983.4	4431.9	5357.0	5149.2	3751.2	3593.1
67.5°	534.4	540.9	564.4	652.0	642.8	1027.0	3774.7	5828.6	5867.8	4255.5	3889.7
70°	411.6	422.0	449.5	573.6	619.3	683.3	2617.1	5593.4	5698.0	4569.1	3710.7
72.5°	279.6	278.3	337.1	465.1	625.8	625.8	1456.8	4505.1	4604.4	4212.4	3223.3
75°	151.6	160.7	223.4	351.5	573.6	604.9	829.7	3296.5	3436.3	3275.6	2492.9
77.5°	82.3	83.6	124.1	230.0	476.9	577.5	554.0	2242.1	2297.0	1975.5	1365.4
80°	43.1	44.4	65.3	150.3	329.3	535.7	461.2	1336.6	1284.4	757.8	450.8
82.5°	19.6	20.9	32.7	94.1	210.4	422.0	398.5	645.4	595.8	211.7	137.2
85°	7.8	7.8	14.4	56.2	122.8	207.7	341.0	324.0	270.5	64.0	67.9
87.5°	2.6	2.6	3.9	22.2	49.6	124.1	181.6	171.2	117.6	23.5	36.6
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°	1330.1	1330.1	1330.1	1330.1	1330.1	1330.1	1330.1	1330.1	1330.1	1330.1	1330.1
2.5°	1319.6	1334.0	1330.1	1327.5	1302.7	1300.0	1297.4	1273.9	1281.7	1262.2	1275.2
5°	1327.5	1335.3	1314.4	1275.2	1239.9	1200.7	1170.7	1149.8	1111.9	1097.5	1094.9
7.5°	1319.6	1319.6	1276.5	1213.8	1144.6	1080.5	999.5	942.0	898.9	866.3	878.0
10°	1309.2	1293.5	1249.1	1138.0	1012.6	915.9	799.6	714.7	650.7	629.8	616.7
12.5°	1309.2	1281.7	1182.5	1030.9	868.9	722.5	584.0	473.0	411.6	375.0	369.8
15°	1297.4	1256.9	1134.1	930.3	729.1	530.5	372.4	277.0	224.7	210.4	205.1
17.5°	1300.0	1251.7	1062.2	811.4	565.7	352.8	227.3	175.1	162.0	155.5	156.8
20°	1305.3	1251.7	998.2	695.1	407.7	219.5	156.8	147.6	141.1	138.5	139.8
22.5°	1322.3	1226.9	932.9	576.2	275.7	158.1	138.5	129.4	124.1	120.2	118.9
25°	1324.9	1223.0	870.2	458.6	189.5	133.3	121.5	111.1	104.5	99.3	98.0
27.5°	1320.9	1206.0	782.6	341.0	142.4	118.9	103.2	92.8	83.6	79.7	78.4
30°	1335.3	1174.6	708.2	245.6	120.2	103.2	87.5	75.8	67.9	62.7	62.7
32.5°	1336.6	1147.2	625.8	175.1	109.8	91.5	74.5	61.4	53.6	51.0	51.0
35°	1337.9	1122.3	534.4	133.3	98.0	78.4	61.4	51.0	45.7	41.8	41.8
37.5°	1341.9	1104.1	450.8	112.4	87.5	66.6	51.0	41.8	36.6	35.3	35.3
40°	1349.7	1079.2	363.2	99.3	75.8	56.2	43.1	35.3	30.1	28.7	27.4
42.5°	1370.6	1072.7	290.1	88.8	67.9	47.0	35.3	28.7	24.8	22.2	20.9
45°	1456.8	1089.7	224.7	82.3	57.5	39.2	30.1	23.5	18.3	17.0	15.7
47.5°	1597.9	1145.9	177.7	73.2	48.3	32.7	24.8	18.3	14.4	13.1	11.8
50°	1812.2	1273.9	145.0	65.3	40.5	27.4	19.6	14.4	10.5	9.1	9.1
52.5°	2093.1	1446.4	125.4	57.5	32.7	23.5	15.7	10.5	7.8	6.5	6.5
55°	2380.6	1650.2	117.6	49.6	27.4	19.6	11.8	7.8	5.2	3.9	3.9
57.5°	2644.5	1782.2	113.7	40.5	23.5	14.4	9.1	5.2	2.6	1.3	1.3
60°	2809.1	1878.9	101.9	32.7	18.3	11.8	6.5	2.6	1.3	0.0	0.0
62.5°	3026.0	1976.8	83.6	24.8	13.1	7.8	3.9	1.3	0.0	0.0	0.0
65°	3312.2	2086.6	65.3	19.6	10.5	5.2	2.6	1.3	0.0	0.0	0.0
67.5°	3449.4	2029.1	44.4	14.4	6.5	2.6	1.3	0.0	0.0	0.0	0.0
70°	3175.0	1709.0	31.4	10.5	3.9	1.3	1.3	0.0	0.0	0.0	0.0
72.5°	2669.3	1339.2	23.5	6.5	2.6	1.3	0.0	0.0	0.0	0.0	0.0
75°	1967.7	837.5	18.3	5.2	2.6	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	1044.0	312.3	13.1	3.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0
80°	308.4	91.5	9.1	2.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	101.9	27.4	5.2	2.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	52.3	10.5	2.6	2.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	30.1	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)