

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: P676879

Luminaire Tested: **CCW-SA-2B-760-U-SL2-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676879
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2B-760-U-SL2-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @450mA w/
SL2 distribution lens and House Side Shield
Light Source: (32) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

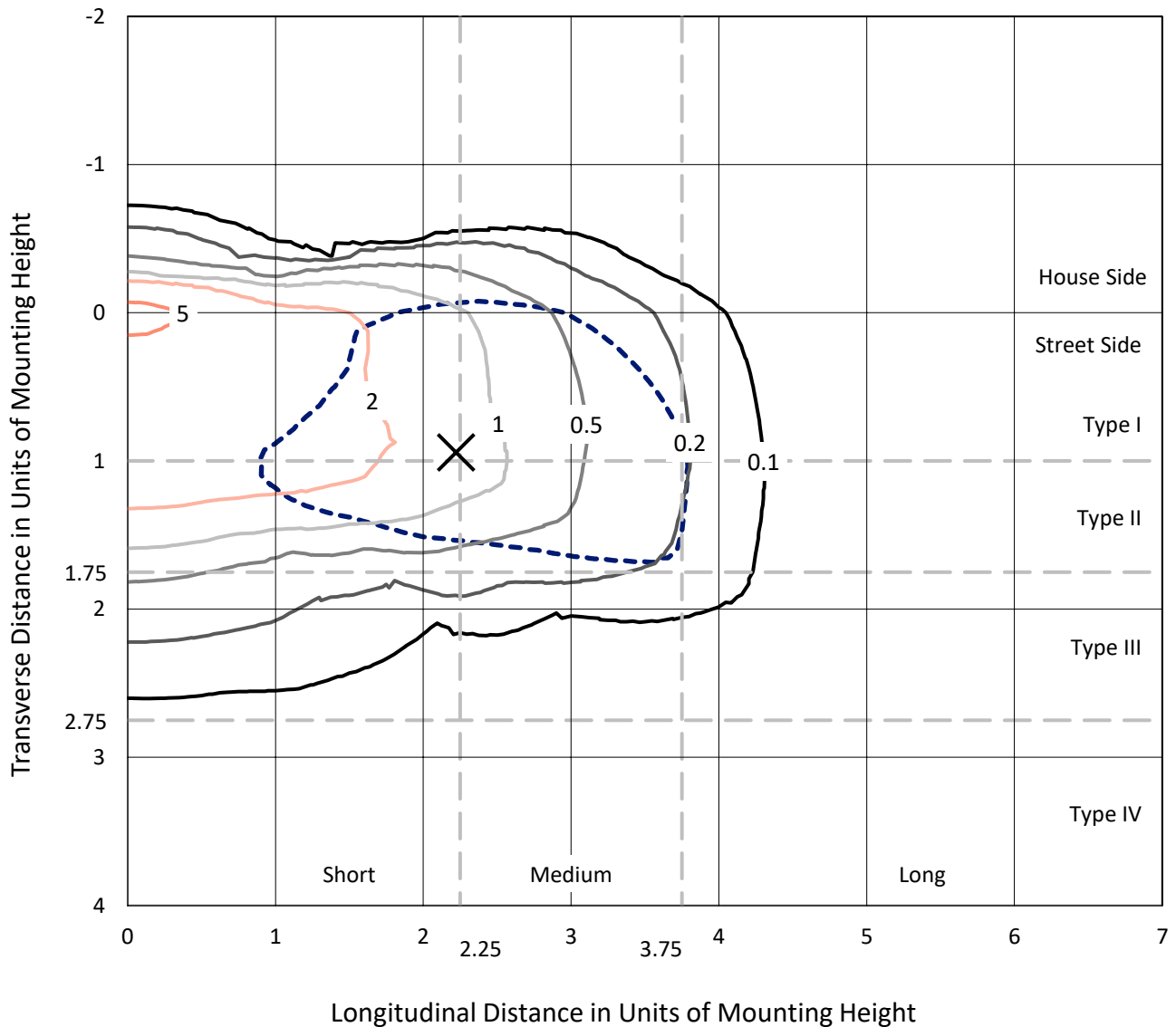
Lumens per Lamp: N/A
Luminaire Lumens: 5680.9 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 46
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

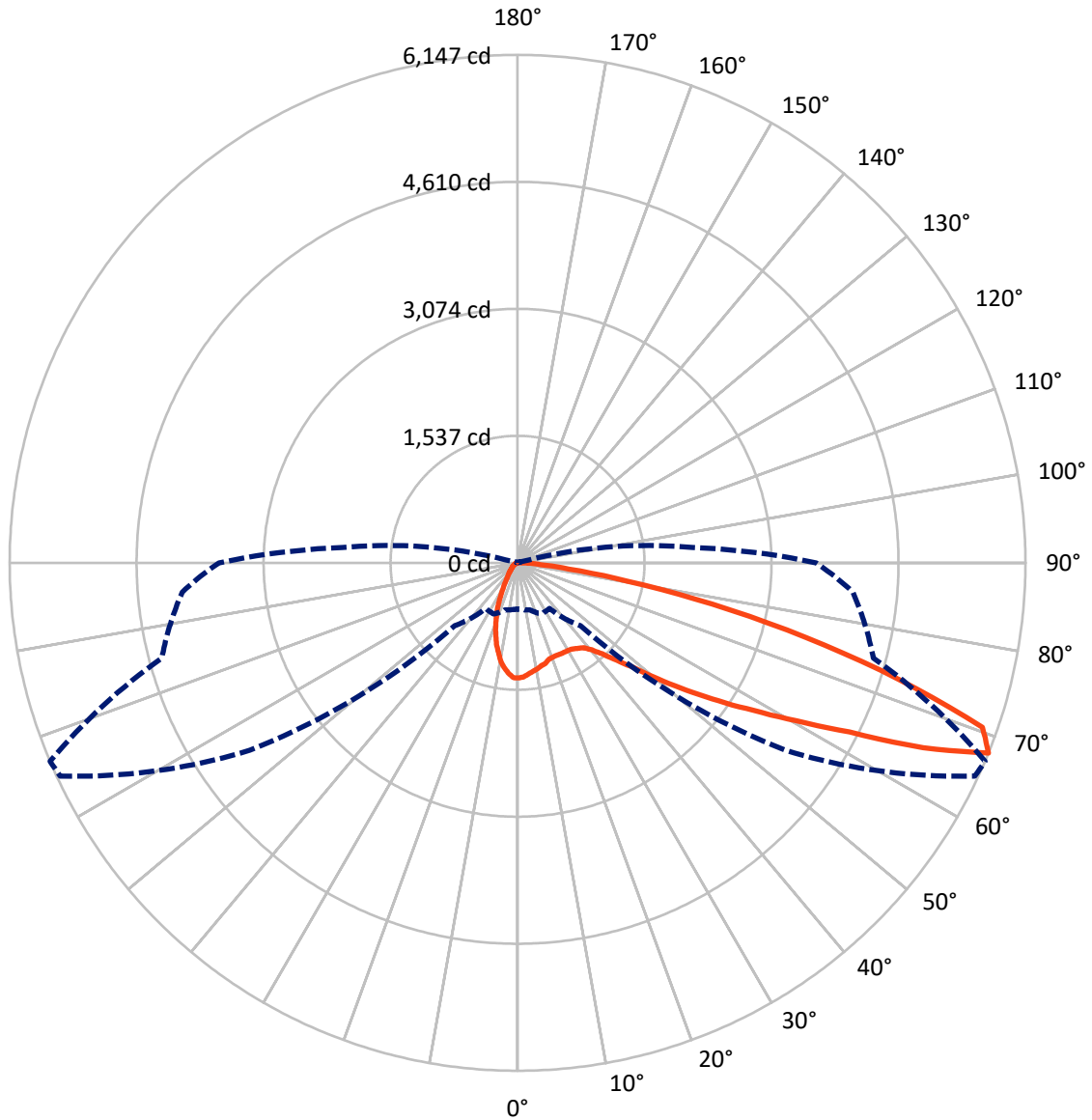
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.2 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	715.0	0.0	715.0
	% Fixture	12.6	0.0	12.6
Street Side	Lumens	4965.9	0.0	4965.9
	% Fixture	87.4	0.0	87.4
Total	Lumens	5680.9	0.0	5680.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.4	2.1
10°-20°	260.8	4.6
20°-30°	370.9	6.5
30°-40°	540.0	9.5
40°-50°	835.8	14.7
50°-60°	1282.7	22.6
60°-70°	1390.4	24.5
70°-80°	784.4	13.8
80°-90°	98.6	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°	5680.9	100.0
0°-180°	5680.9	100.0

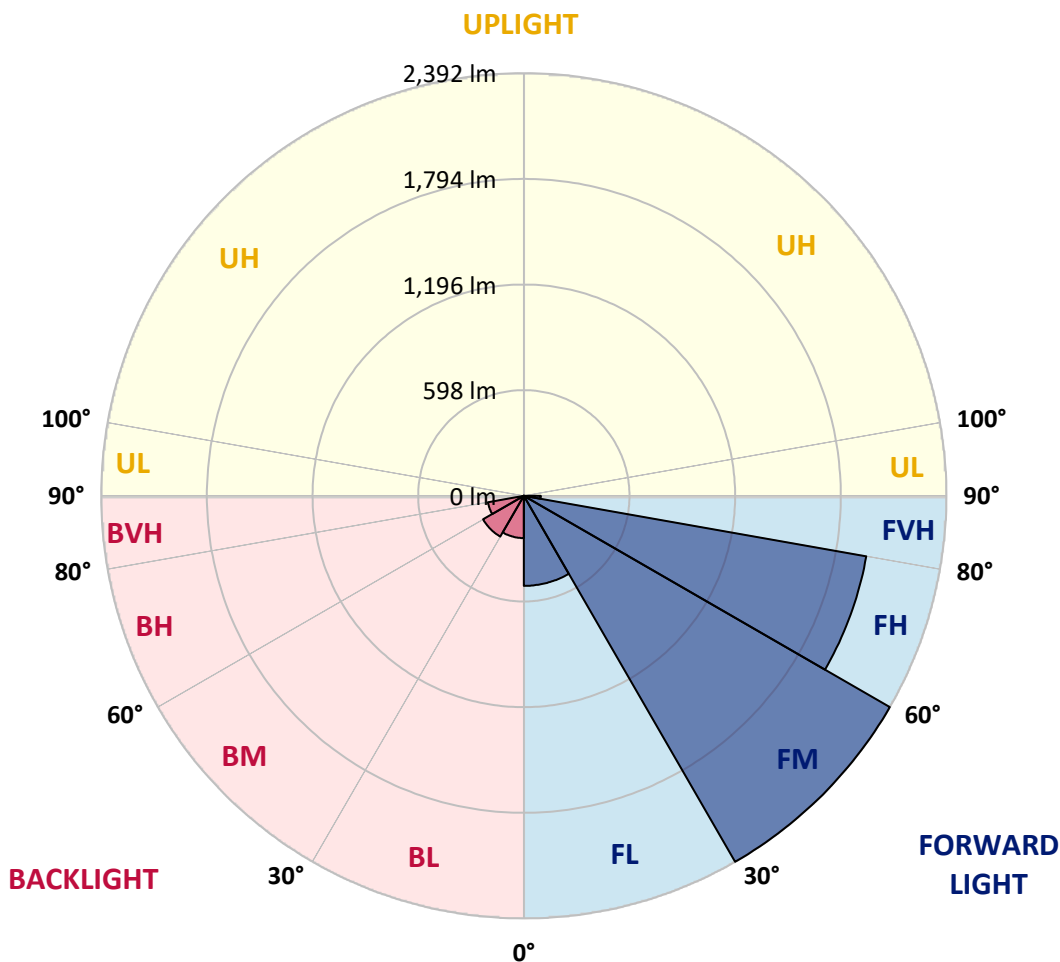


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	509.7	9.0			
FM (30°-60°)	2392.1	42.1			
FH (60°-80°)	1968.3	34.6			G2/5000
FVH (80°-90°)	95.7	1.7			G1/100
BL (0°-30°)	239.3	4.2	B1/500		
BM (30°-60°)	266.3	4.7	B1/1000		
BH (60°-80°)	206.5	3.6	B1/500		G1/500
BVH (80°-90°)	2.8	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°	1393.4	1393.4	1393.4	1393.4	1393.4	1393.4	1393.4	1393.4	1393.4	1393.4	1393.4
2.5°	1333.2	1340.0	1349.6	1363.3	1372.9	1367.4	1371.5	1394.8	1382.5	1393.4	1387.9
5°	1259.3	1266.1	1279.8	1278.4	1289.4	1309.9	1337.3	1367.4	1353.7	1386.6	1398.9
7.5°	1182.6	1179.9	1179.9	1208.6	1231.9	1260.6	1275.7	1325.0	1326.3	1355.1	1385.2
10°	1112.8	1121.0	1134.7	1145.7	1167.6	1208.6	1252.4	1290.7	1305.8	1363.3	1371.5
12.5°	1070.4	1074.5	1090.9	1100.5	1129.2	1168.9	1215.5	1264.7	1277.1	1335.9	1375.6
15°	1052.6	1062.2	1067.6	1085.4	1100.5	1137.4	1171.7	1227.8	1263.4	1309.9	1359.2
17.5°	1066.3	1062.2	1064.9	1070.4	1088.2	1121.0	1158.0	1214.1	1226.4	1304.4	1378.4
20°	1084.1	1085.4	1077.2	1074.5	1070.4	1101.9	1132.0	1204.5	1218.2	1304.4	1390.7
22.5°	1132.0	1116.9	1132.0	1110.1	1088.2	1101.9	1130.6	1205.9	1215.5	1303.1	1403.0
25°	1190.8	1193.6	1197.7	1151.1	1119.7	1110.1	1140.2	1210.0	1218.2	1314.0	1408.5
27.5°	1274.3	1286.6	1266.1	1242.8	1179.9	1132.0	1138.8	1207.3	1222.3	1308.5	1422.2
30°	1386.6	1377.0	1379.7	1326.3	1264.7	1189.5	1170.3	1214.1	1225.0	1315.4	1448.2
32.5°	1483.7	1472.8	1492.0	1472.8	1375.6	1271.6	1207.3	1227.8	1240.1	1331.8	1470.1
35°	1544.0	1557.7	1587.8	1608.3	1526.2	1378.4	1268.8	1264.7	1270.2	1340.0	1486.5
37.5°	1637.0	1661.7	1686.3	1738.3	1667.2	1509.8	1366.0	1312.6	1303.1	1379.7	1494.7
40°	1738.3	1731.5	1804.0	1865.6	1862.9	1694.5	1501.5	1397.5	1383.8	1442.7	1549.4
42.5°	1823.2	1816.4	1897.1	1998.4	2009.4	1872.5	1656.2	1518.0	1505.6	1539.9	1616.5
45°	1934.1	1939.5	2035.4	2155.8	2195.5	2107.9	1865.6	1690.4	1683.6	1672.6	1743.8
47.5°	2032.6	2062.7	2144.9	2287.2	2430.9	2351.5	2112.0	1942.3	1894.4	1869.7	1940.9
50°	2101.1	2128.4	2228.4	2380.3	2643.1	2693.7	2388.5	2210.6	2211.9	2151.7	2190.0
52.5°	2101.1	2099.7	2180.4	2380.3	2790.9	3051.0	2758.1	2548.6	2559.6	2496.6	2499.4
55°	1898.5	1894.4	1992.9	2205.1	2774.5	3394.5	3317.9	2977.1	2949.7	2827.9	2840.2
57.5°	1528.9	1538.5	1613.8	1868.4	2561.0	3554.7	3984.5	3458.9	3365.8	3113.9	3113.9
60°	1115.5	1107.3	1163.5	1341.4	2051.8	3494.5	4532.0	4026.9	3880.5	3350.7	3315.2
62.5°	848.6	847.3	862.3	922.6	1301.7	3046.9	4767.4	4749.6	4511.5	3583.4	3532.8
65°	685.8	688.5	709.0	751.5	795.3	2077.8	4642.9	5612.0	5394.3	3929.7	3764.1
67.5°	559.8	566.7	591.3	683.0	673.4	1075.9	3954.4	6106.1	6147.1	4458.1	4074.8
70°	431.2	442.1	470.9	600.9	648.8	715.9	2741.6	5859.7	5969.2	4786.6	3887.3
72.5°	292.9	291.5	353.1	487.3	655.6	655.6	1526.2	4719.5	4823.5	4412.9	3376.8
75°	158.8	168.4	234.1	368.2	600.9	633.7	869.2	3453.4	3599.9	3431.5	2611.6
77.5°	86.2	87.6	130.0	240.9	499.6	605.0	580.4	2348.8	2406.3	2069.6	1430.4
80°	45.2	46.5	68.4	157.4	344.9	561.2	483.2	1400.3	1345.5	793.9	472.2
82.5°	20.5	21.9	34.2	98.6	220.4	442.1	417.5	676.2	624.2	221.7	143.7
85°	8.2	8.2	15.1	58.9	128.7	217.6	357.2	339.5	283.3	67.1	71.2
87.5°	2.7	2.7	4.1	23.3	52.0	130.0	190.3	179.3	123.2	24.6	38.3
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°	1393.4	1393.4	1393.4	1393.4	1393.4	1393.4	1393.4	1393.4	1393.4	1393.4	1393.4
2.5°	1382.5	1397.5	1393.4	1390.7	1364.7	1361.9	1359.2	1334.5	1342.8	1322.2	1335.9
5°	1390.7	1398.9	1377.0	1335.9	1299.0	1257.9	1226.4	1204.5	1164.8	1149.8	1147.0
7.5°	1382.5	1382.5	1337.3	1271.6	1199.0	1132.0	1047.1	986.9	941.7	907.5	919.8
10°	1371.5	1355.1	1308.5	1192.2	1060.8	959.5	837.7	748.7	681.6	659.7	646.1
12.5°	1371.5	1342.8	1238.7	1080.0	910.2	756.9	611.8	495.5	431.2	392.8	387.4
15°	1359.2	1316.8	1188.1	974.6	763.8	555.7	390.1	290.2	235.4	220.4	214.9
17.5°	1361.9	1311.3	1112.8	850.0	592.7	369.6	238.2	183.4	169.7	162.9	164.3
20°	1367.4	1311.3	1045.7	728.2	427.1	230.0	164.3	154.7	147.8	145.1	146.5
22.5°	1385.2	1285.3	977.3	603.6	288.8	165.6	145.1	135.5	130.0	125.9	124.6
25°	1387.9	1281.2	911.6	480.4	198.5	139.6	127.3	116.3	109.5	104.0	102.7
27.5°	1383.8	1263.4	819.9	357.2	149.2	124.6	108.1	97.2	87.6	83.5	82.1
30°	1398.9	1230.5	741.9	257.3	125.9	108.1	91.7	79.4	71.2	65.7	65.7
32.5°	1400.3	1201.8	655.6	183.4	115.0	95.8	78.0	64.3	56.1	53.4	53.4
35°	1401.6	1175.8	559.8	139.6	102.7	82.1	64.3	53.4	47.9	43.8	43.8
37.5°	1405.7	1156.6	472.2	117.7	91.7	69.8	53.4	43.8	38.3	37.0	37.0
40°	1413.9	1130.6	380.5	104.0	79.4	58.9	45.2	37.0	31.5	30.1	28.7
42.5°	1435.8	1123.8	303.9	93.1	71.2	49.3	37.0	30.1	26.0	23.3	21.9
45°	1526.2	1141.6	235.4	86.2	60.2	41.1	31.5	24.6	19.2	17.8	16.4
47.5°	1674.0	1200.4	186.2	76.7	50.6	34.2	26.0	19.2	15.1	13.7	12.3
50°	1898.5	1334.5	151.9	68.4	42.4	28.7	20.5	15.1	11.0	9.6	9.6
52.5°	2192.8	1515.2	131.4	60.2	34.2	24.6	16.4	11.0	8.2	6.8	6.8
55°	2493.9	1728.8	123.2	52.0	28.7	20.5	12.3	8.2	5.5	4.1	4.1
57.5°	2770.4	1867.0	119.1	42.4	24.6	15.1	9.6	5.5	2.7	1.4	1.4
60°	2942.9	1968.3	106.8	34.2	19.2	12.3	6.8	2.7	1.4	0.0	0.0
62.5°	3170.1	2070.9	87.6	26.0	13.7	8.2	4.1	1.4	0.0	0.0	0.0
65°	3469.8	2185.9	68.4	20.5	11.0	5.5	2.7	1.4	0.0	0.0	0.0
67.5°	3613.6	2125.7	46.5	15.1	6.8	2.7	1.4	0.0	0.0	0.0	0.0
70°	3326.1	1790.3	32.9	11.0	4.1	1.4	1.4	0.0	0.0	0.0	0.0
72.5°	2796.4	1403.0	24.6	6.8	2.7	1.4	0.0	0.0	0.0	0.0	0.0
75°	2061.4	877.4	19.2	5.5	2.7	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	1093.6	327.1	13.7	4.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0
80°	323.0	95.8	9.6	2.7	1.4	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	106.8	28.7	5.5	2.7	1.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	54.8	11.0	2.7	2.7	1.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	31.5	4.1	2.7	2.7	1.4	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)