

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: STREETWORKS

Report Number: P458712

Luminaire Tested: **GLAN-SA2C-735-U-T4FT-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P458712
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2C-735-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9484 lumens
Efficiency: N/A
Efficacy: 87.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

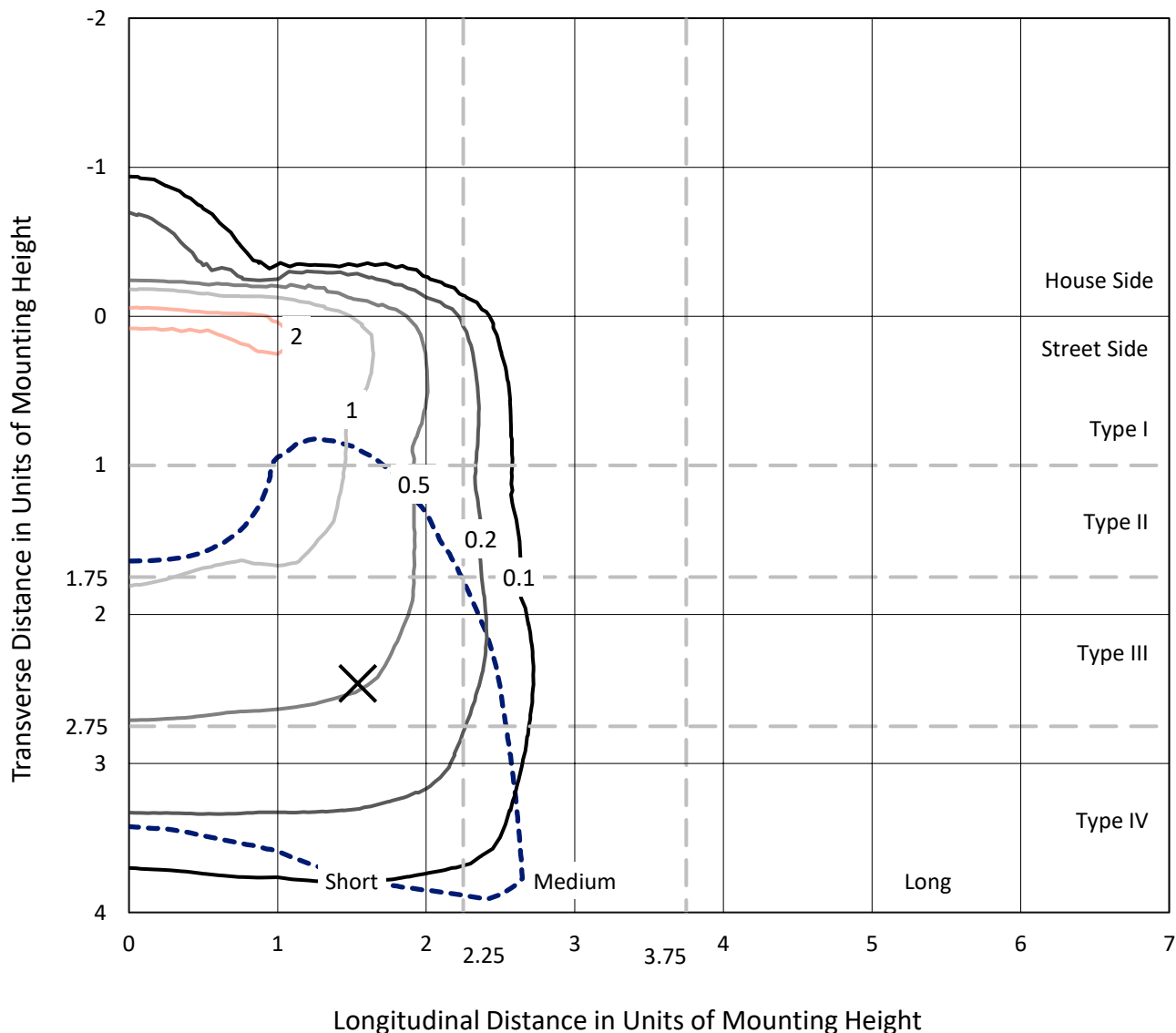
Input Watts (W): 108
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

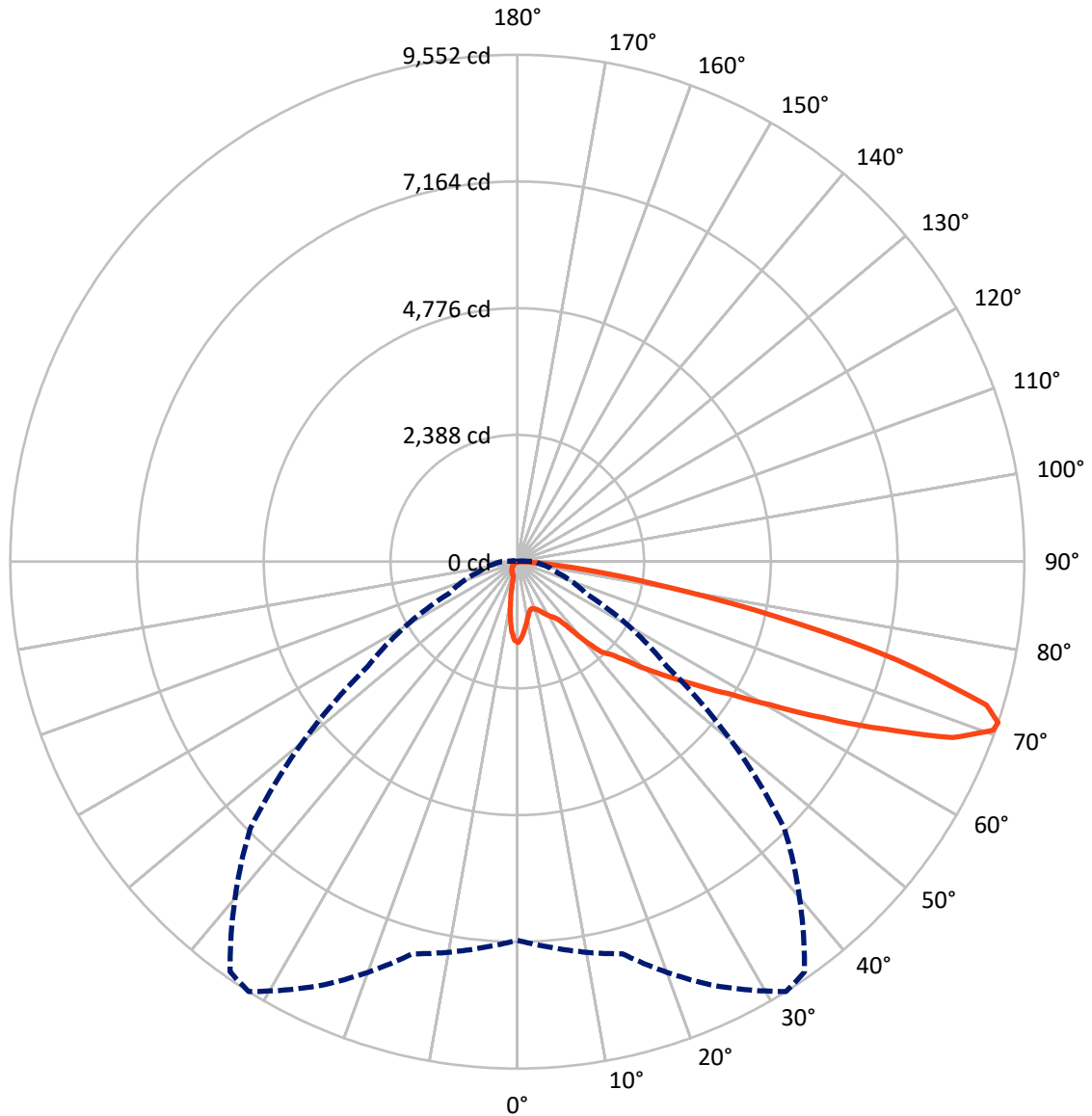
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 32-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	794.4	0.0	794.4
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	8689.6	0.0	8689.6
	% Fixture	91.6	0.0	91.6
Total	Lumens	9484.0	0.0	9484.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.0	1.3
10°-20°	269.2	2.8
20°-30°	418.7	4.4
30°-40°	697.6	7.4
40°-50°	1297.6	13.7
50°-60°	2083.4	22.0
60°-70°	2802.3	29.5
70°-80°	1662.6	17.5
80°-90°	128.5	1.4
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°	9484.0	100.0
0°-180°	9484.0	100.0

Coefficient of Utilization



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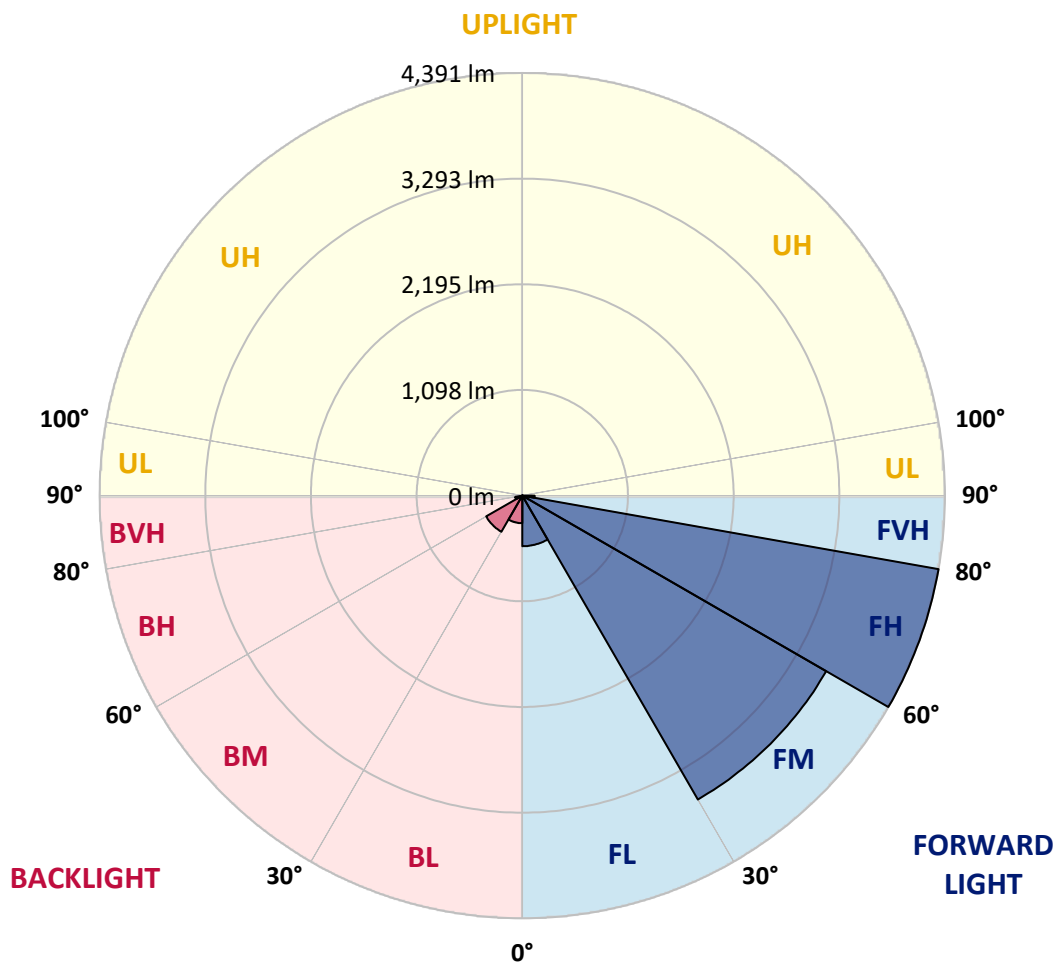
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	525.7	5.5			
FM	(30°-60°)	3645.3	38.4			
FH	(60°-80°)	4390.6	46.3			G2/5000
FVH	(80°-90°)	128.0	1.3			G2/225
BL	(0°-30°)	286.2	3.0	B1/500		
BM	(30°-60°)	433.4	4.6	B1/1000		
BH	(60°-80°)	74.3	0.8	B0/110		G0/110
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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	32°	35°	45°	55°	65°	75°	85°
0°	1525.2	1525.2	1525.2	1525.2	1525.2	1525.2	1525.2	1525.2	1525.2	1525.2	1525.2
2.5°	1414.5	1429.1	1426.9	1432.0	1444.4	1449.5	1463.3	1478.6	1499.7	1514.3	1523.7
5°	1266.7	1277.7	1279.1	1304.6	1317.0	1330.8	1371.6	1416.0	1465.5	1504.8	1531.0
7.5°	1108.8	1114.6	1126.2	1159.7	1191.0	1204.9	1266.7	1343.9	1421.8	1495.3	1542.6
10°	978.4	985.0	1006.1	1041.8	1070.9	1089.1	1175.0	1271.8	1381.0	1490.2	1559.4
12.5°	904.2	907.8	915.8	947.9	985.0	1004.7	1097.1	1207.8	1348.3	1492.4	1587.8
15°	899.1	897.6	888.2	901.3	934.8	955.1	1045.4	1164.1	1319.1	1499.7	1621.3
17.5°	926.0	922.4	899.8	899.8	927.5	944.2	1023.6	1140.8	1304.6	1516.4	1668.6
20°	967.5	961.7	924.6	921.7	948.6	966.1	1036.7	1142.2	1307.5	1547.7	1731.9
22.5°	1019.9	1013.4	957.3	958.8	987.9	1005.4	1074.5	1168.5	1325.7	1586.3	1799.6
25°	1088.4	1081.1	1014.8	1011.9	1042.5	1057.8	1130.6	1215.0	1351.2	1634.4	1888.5
27.5°	1179.4	1164.1	1084.7	1080.4	1113.1	1132.8	1198.3	1277.7	1396.3	1700.6	2007.8
30°	1254.4	1237.6	1161.9	1150.3	1185.2	1200.5	1268.2	1362.1	1485.1	1816.4	2173.1
32.5°	1352.6	1327.9	1239.1	1208.5	1245.6	1265.3	1369.4	1519.4	1616.9	1938.7	2369.7
35°	1574.0	1558.7	1450.2	1343.2	1341.0	1365.7	1518.6	1678.1	1752.3	2129.4	2637.6
37.5°	1890.6	1879.7	1764.7	1621.3	1579.8	1568.1	1699.9	1852.8	1968.5	2391.5	2949.2
40°	2258.3	2232.8	2127.2	2005.7	1951.8	1917.6	1913.9	2112.7	2251.0	2747.5	3273.8
42.5°	2521.8	2475.2	2347.1	2338.4	2326.7	2291.0	2187.7	2492.7	2615.7	3130.4	3621.1
45°	2798.5	2727.8	2537.1	2504.3	2500.0	2497.8	2601.2	2942.6	3013.2	3545.4	3977.8
47.5°	3013.2	2957.2	2800.6	2786.1	2804.3	2853.8	3147.9	3420.2	3405.6	3915.2	4277.0
50°	3299.3	3257.1	3083.1	3110.8	3204.7	3285.5	3764.5	3940.7	3728.1	4206.4	4494.7
52.5°	3637.1	3559.2	3397.6	3472.6	3616.7	3751.4	4419.0	4396.4	3954.5	4425.6	4657.1
55°	3929.8	3874.5	3819.1	3897.0	4112.5	4280.7	5010.1	4737.9	4119.1	4601.7	4728.4
57.5°	4424.8	4411.7	4354.9	4434.3	4695.6	4870.4	5539.4	5002.9	4224.6	4693.5	4644.7
60°	5157.2	5136.1	5030.5	5131.7	5472.4	5746.9	6027.2	5240.9	4248.7	4657.8	4403.7
62.5°	6038.1	5966.0	5875.7	6025.0	6492.4	6613.2	6486.5	5382.2	4159.1	4373.9	3822.8
65°	6860.7	6786.5	6788.7	7103.2	7612.0	7694.3	7022.4	5361.0	3897.0	3662.6	2819.6
67.5°	7490.5	7478.1	7566.9	8180.6	8846.0	8789.2	7501.4	5045.1	3120.2	2374.0	1498.2
70°	7522.5	7546.5	7801.3	8837.3	9512.9	9422.6	7460.6	4100.9	1945.2	1092.0	590.4
71°	7135.2	7296.8	7649.2	8816.9	9552.2	9435.0	7117.0	3434.7	1426.9	761.5	425.9
72.5°	6080.3	6165.5	6927.0	8297.8	9241.3	8990.9	6245.6	2407.5	913.6	465.9	244.6
75°	3348.8	3558.5	4638.9	6509.8	7391.5	7171.6	4070.3	1143.7	455.7	254.8	101.2
77.5°	1594.3	1553.6	2263.4	3871.5	5011.6	5000.0	2050.8	508.1	265.7	172.5	51.0
80°	455.7	512.5	866.3	1840.4	2782.4	2813.0	787.7	245.3	184.2	134.7	26.2
82.5°	137.6	140.5	318.1	813.9	1383.9	1304.6	295.6	125.2	132.5	107.0	15.3
85°	24.0	29.8	93.9	286.8	527.8	400.4	74.3	59.7	87.4	70.6	8.7
87.5°	1.5	2.2	31.3	32.8	46.6	26.9	13.1	8.7	18.9	18.9	5.1
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°	1525.2	1525.2	1525.2	1525.2	1525.2	1525.2	1525.2	1525.2	1525.2	1525.2	1525.2
2.5°	1530.3	1534.6	1531.7	1525.2	1514.3	1501.2	1483.7	1469.1	1456.7	1450.2	1458.2
5°	1539.7	1545.6	1531.0	1498.2	1448.7	1394.9	1333.7	1286.4	1249.3	1237.6	1233.2
7.5°	1554.3	1557.9	1518.6	1445.8	1341.0	1213.6	1102.2	1008.3	935.5	913.6	881.6
10°	1573.2	1571.0	1496.8	1361.4	1177.2	985.7	813.2	685.1	588.2	553.3	550.4
12.5°	1602.3	1590.7	1469.1	1246.3	982.1	731.6	518.3	405.5	344.3	324.0	319.6
15°	1638.7	1611.1	1425.4	1111.7	752.0	472.5	319.6	285.4	277.4	275.9	274.5
17.5°	1681.7	1638.0	1367.9	946.4	528.5	306.5	267.2	266.5	267.2	265.7	265.0
20°	1739.9	1666.4	1299.5	750.6	349.4	258.4	254.8	254.8	255.5	254.8	254.8
22.5°	1801.8	1699.9	1215.0	572.9	263.5	245.3	244.6	246.1	247.5	246.8	246.8
25°	1878.3	1743.6	1103.7	392.4	235.9	234.4	235.1	238.1	241.0	241.7	241.0
27.5°	1988.9	1797.5	984.3	270.1	216.2	217.7	225.0	232.2	236.6	237.3	237.3
30°	2113.4	1857.1	828.5	219.1	200.2	200.2	208.9	222.8	232.2	233.7	234.4
32.5°	2273.6	1926.3	655.9	197.3	184.9	183.5	191.5	208.2	225.7	230.8	230.8
35°	2471.6	2007.8	487.8	183.5	174.0	170.4	174.7	188.6	211.1	225.7	227.1
37.5°	2703.8	2085.0	356.7	171.1	163.8	158.7	161.6	172.5	190.7	212.6	218.4
40°	2918.6	2153.4	266.5	160.9	153.6	150.0	152.2	157.2	172.5	192.9	196.6
42.5°	3153.0	2206.6	211.9	150.0	143.4	142.0	142.0	144.1	154.3	166.0	166.7
45°	3386.7	2225.5	177.6	136.9	132.5	134.0	133.2	131.8	136.1	134.7	134.7
47.5°	3553.4	2203.0	147.1	124.5	124.5	126.7	123.0	117.9	115.8	107.0	107.7
50°	3667.7	2120.7	120.8	109.9	115.8	118.7	111.4	103.4	95.4	85.9	83.7
52.5°	3715.0	1974.4	99.0	91.0	102.6	106.3	97.6	88.1	75.7	67.7	65.5
55°	3684.4	1793.8	82.3	74.3	86.6	91.0	82.3	71.3	57.5	48.8	47.3
57.5°	3549.8	1578.3	69.9	59.0	69.2	72.1	66.2	54.6	40.8	32.0	32.0
60°	3316.8	1355.5	56.8	46.6	51.7	56.1	50.2	39.3	27.7	19.7	18.2
62.5°	2844.3	1100.7	45.9	36.4	36.4	40.0	34.9	28.4	17.5	10.2	9.5
65°	2053.7	754.9	36.4	26.9	26.2	26.2	21.8	18.9	10.2	4.4	2.9
67.5°	1116.0	425.9	29.1	20.4	18.2	17.5	13.8	10.9	4.4	0.7	0.0
70°	439.0	163.8	22.6	13.8	11.6	10.9	7.3	5.1	2.9	0.0	0.0
71°	297.8	112.8	19.7	11.6	9.5	8.0	5.8	4.4	2.2	0.0	0.0
72.5°	170.4	69.9	15.3	8.7	7.3	5.8	4.4	2.9	2.2	0.0	0.0
75°	74.3	35.7	9.5	6.6	5.1	3.6	2.9	2.2	0.7	0.0	0.0
77.5°	37.9	19.7	6.6	5.1	2.9	2.2	1.5	0.7	0.0	0.0	0.0
80°	21.1	10.2	4.4	2.9	2.2	1.5	0.7	0.7	0.0	0.0	0.0
82.5°	11.6	5.8	2.2	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	7.3	3.6	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.6	1.5	0.0	0.0	0.0	0.0	0.7	0.7	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)