

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: P323795

Luminaire Tested: **GAN-SA1B-730-U-SL4-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323795
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-25)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1B-730-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV SPILL LIGHT
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4423 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

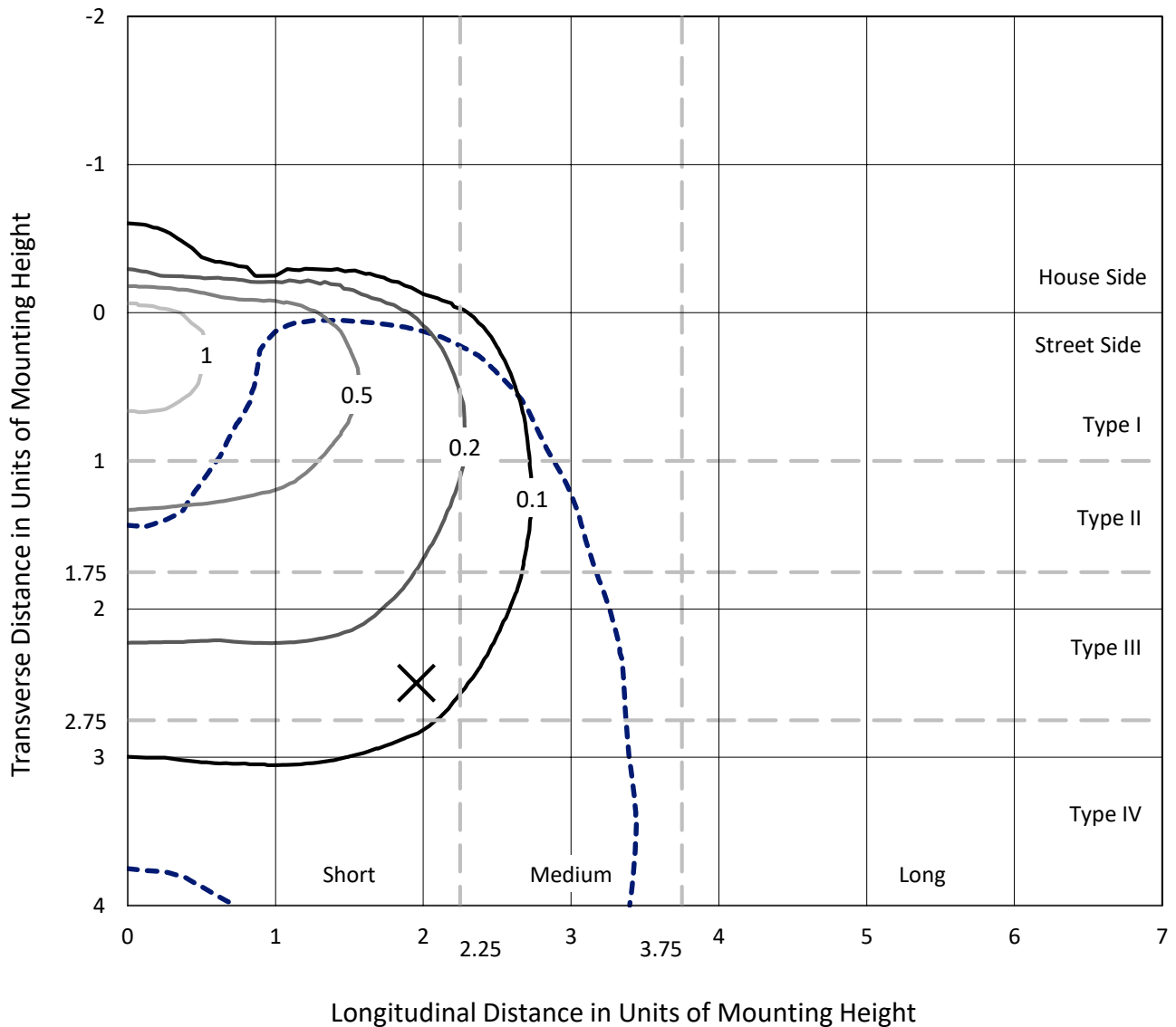
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

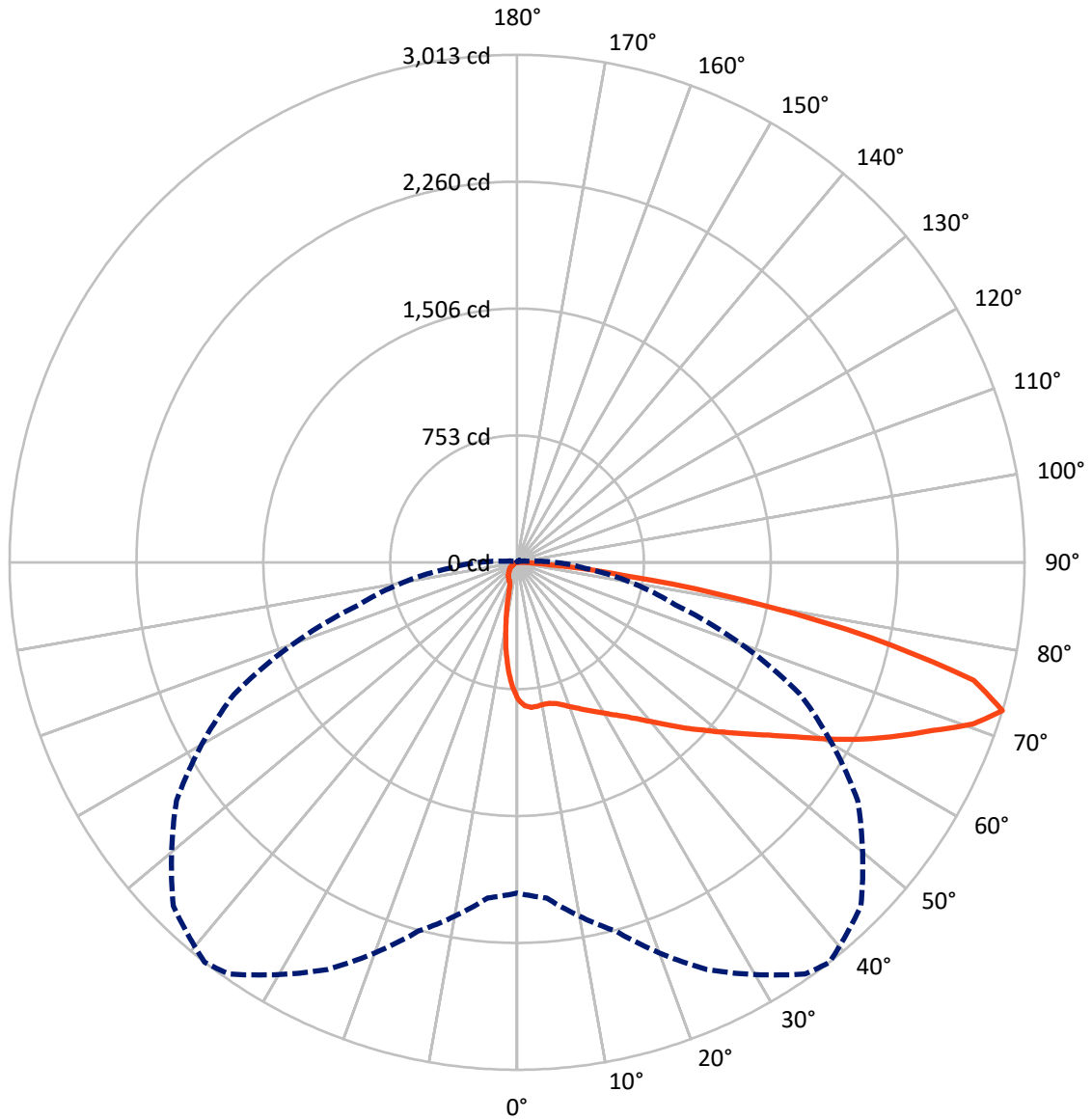
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	372.2	0.0	372.2
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	4050.8	0.0	4050.8
	% Fixture	91.6	0.0	91.6
Total	Lumens	4423.0	0.0	4423.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.3	1.6
10°-20°	169.5	3.8
20°-30°	269.6	6.1
30°-40°	405.3	9.2
40°-50°	618.3	14.0
50°-60°	873.8	19.8
60°-70°	1096.1	24.8
70°-80°	819.6	18.5
80°-90°	101.6	2.3
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°	4423.0	100.0
0°-180°	4423.0	100.0

Coefficient of Utilization



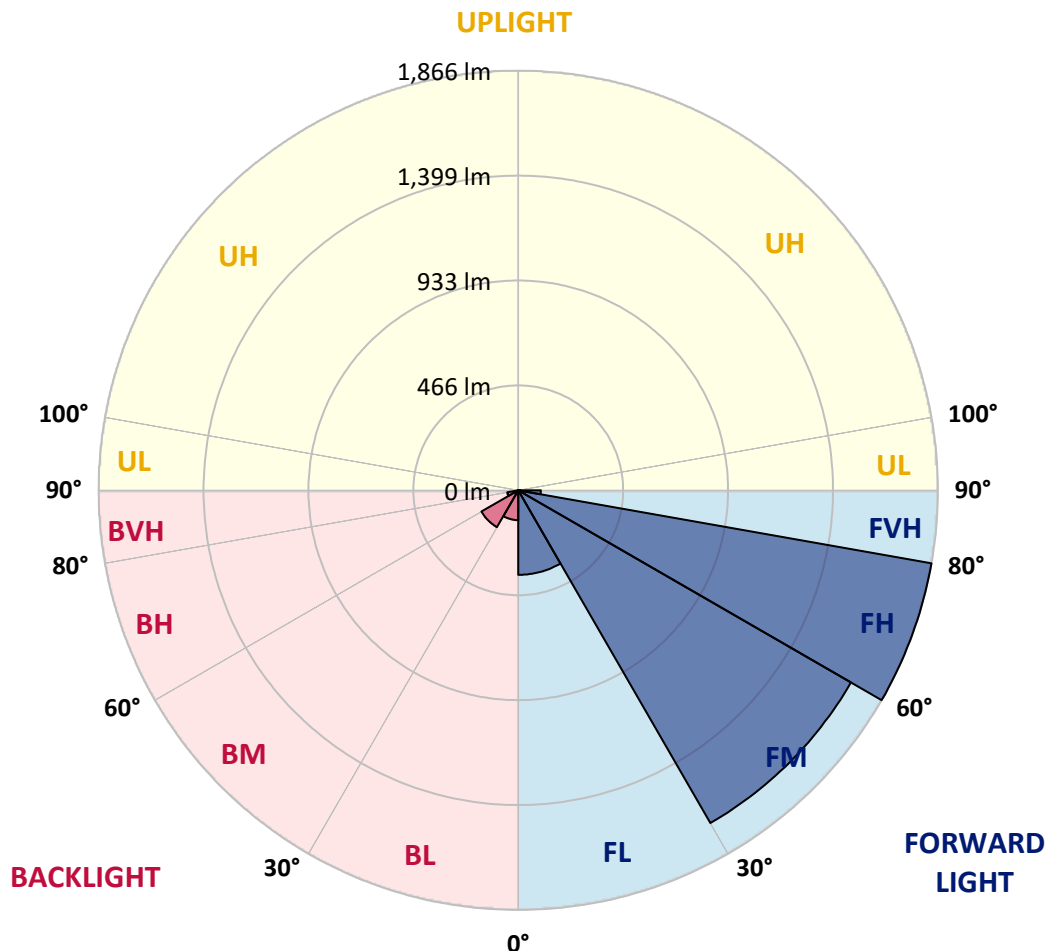
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	375.8	8.5			
FM (30°-60°)	1708.4	38.6			
FH (60°-80°)	1865.9	42.2			G2/5000
FVH (80°-90°)	100.7	2.3			G2/225
BL (0°-30°)	132.5	3.0	B1/500		
BM (30°-60°)	189.0	4.3	B0/220		
BH (60°-80°)	49.7	1.1	B0/110		G0/110
BVH (80°-90°)	1.0	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°	35°	38°	45°	55°	65°	75°	85°
0°	813.4	813.4	813.4	813.4	813.4	813.4	813.4	813.4	813.4	813.4	813.4
2.5°	863.3	863.5	861.5	858.2	854.0	851.8	848.1	842.2	836.0	824.8	812.6
5°	881.0	881.0	878.4	874.0	867.2	865.2	858.2	848.8	836.0	817.8	797.4
7.5°	879.1	879.5	876.0	871.4	864.6	862.8	854.3	843.9	827.9	805.8	779.8
10°	869.6	870.5	867.7	865.5	859.3	857.3	849.4	838.9	822.9	799.4	769.5
12.5°	859.8	860.8	861.7	863.7	859.8	859.1	852.9	844.1	828.8	804.4	770.6
15°	853.6	855.4	862.1	870.0	870.9	870.1	866.1	857.8	842.4	817.0	778.5
17.5°	853.6	856.5	870.3	885.4	890.7	891.3	887.8	876.2	857.8	830.6	785.8
20°	860.8	864.8	886.3	907.6	916.4	916.4	909.6	893.5	872.0	842.9	790.8
22.5°	879.1	884.5	911.5	936.1	945.4	943.4	934.2	910.7	886.7	856.9	797.0
25°	915.3	919.4	947.5	972.3	978.0	973.4	961.8	931.7	905.4	875.8	808.4
27.5°	962.0	962.5	991.6	1012.5	1009.0	1005.9	991.4	957.9	932.4	902.8	828.1
30°	1013.2	1013.2	1038.8	1054.7	1044.1	1041.5	1027.0	989.7	966.9	939.6	856.0
32.5°	1062.8	1065.0	1085.8	1095.9	1083.9	1081.4	1067.2	1029.9	1012.9	995.6	899.5
35°	1110.8	1112.4	1132.1	1137.6	1126.2	1126.9	1116.8	1085.2	1078.8	1076.6	965.1
37.5°	1157.2	1157.6	1177.6	1181.1	1175.4	1181.7	1182.6	1154.7	1166.6	1184.4	1057.5
40°	1199.7	1200.0	1219.9	1228.9	1238.6	1246.7	1253.9	1239.0	1278.5	1319.8	1167.5
42.5°	1233.7	1237.5	1262.7	1279.8	1305.5	1320.9	1340.4	1339.6	1411.7	1473.7	1300.5
45°	1263.6	1270.2	1305.3	1335.2	1379.3	1403.9	1434.4	1458.3	1561.5	1645.1	1435.2
47.5°	1303.1	1309.3	1349.4	1398.4	1457.2	1489.5	1540.0	1591.7	1726.3	1813.4	1566.7
50°	1358.7	1356.0	1395.5	1465.8	1541.3	1583.8	1655.8	1733.1	1889.8	1960.0	1644.0
52.5°	1418.1	1417.0	1446.2	1539.1	1640.5	1690.1	1785.3	1879.3	2046.1	2061.0	1679.5
55°	1491.6	1483.7	1508.3	1622.7	1758.3	1811.5	1923.6	2024.1	2170.7	2117.9	1697.3
57.5°	1568.5	1555.5	1579.0	1715.8	1891.1	1954.1	2076.8	2165.1	2253.5	2156.9	1697.1
60°	1648.1	1632.6	1660.5	1832.3	2056.0	2129.0	2242.8	2260.5	2330.8	2176.5	1684.6
62.5°	1714.6	1705.4	1746.9	1956.8	2240.3	2311.9	2368.3	2347.2	2396.0	2191.8	1655.4
65°	1784.9	1785.5	1852.5	2102.1	2436.1	2484.4	2489.2	2459.6	2450.6	2188.7	1556.6
67.5°	1880.1	1888.9	2000.7	2299.4	2626.6	2663.9	2663.5	2581.4	2490.5	2064.5	1337.4
70°	1980.7	2001.5	2171.6	2525.2	2834.5	2872.3	2852.9	2658.9	2345.0	1669.4	946.5
72.5°	1963.8	1999.8	2266.5	2667.5	2983.8	3012.7	2886.1	2468.4	1853.4	970.2	403.0
75°	1515.1	1556.8	2078.3	2526.5	2827.2	2801.3	2479.8	1920.8	1012.9	270.8	90.7
77.5°	800.3	822.6	1372.9	1924.7	2204.5	2150.3	1746.9	1065.6	308.8	67.0	40.8
80°	419.2	424.3	598.3	1092.0	1360.6	1361.0	1035.3	468.0	127.3	34.3	27.4
82.5°	224.5	228.9	316.1	504.6	712.9	646.2	396.4	257.5	74.0	19.5	26.3
85°	54.0	54.9	179.3	230.5	280.3	200.2	117.7	216.2	20.0	11.4	21.3
87.5°	20.8	21.1	66.5	99.7	71.5	46.3	55.1	80.6	2.6	4.4	3.3
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°	813.4	813.4	813.4	813.4	813.4	813.4	813.4	813.4	813.4	813.4	813.4
2.5°	805.3	800.5	788.8	773.9	760.7	751.1	736.8	727.4	721.2	721.0	718.6
5°	784.9	775.2	749.8	719.7	692.3	667.7	638.7	615.7	598.6	595.9	590.0
7.5°	763.0	747.1	708.1	661.1	615.2	568.5	514.3	480.7	451.9	438.1	436.6
10°	749.6	727.2	671.9	604.0	532.0	456.1	385.2	336.2	300.7	290.6	283.1
12.5°	746.9	717.3	644.0	550.3	447.5	347.2	268.7	216.6	188.3	179.3	176.9
15°	749.6	712.7	620.5	497.2	361.9	246.3	180.4	150.1	139.4	136.8	136.7
17.5°	751.3	707.2	593.9	438.3	278.8	176.0	138.1	129.3	127.7	127.5	127.8
20°	751.1	698.8	562.1	372.5	207.4	138.3	124.9	123.1	122.7	122.9	122.7
22.5°	749.8	688.8	527.2	304.7	156.7	123.6	119.2	118.1	117.9	117.9	117.9
25°	752.2	680.9	488.8	239.9	129.1	116.8	114.1	113.2	113.0	113.0	112.6
27.5°	760.8	676.5	446.7	184.6	116.6	110.8	108.6	108.4	107.8	107.6	108.0
30°	774.8	676.5	400.6	143.6	109.1	104.5	102.9	102.5	102.3	102.1	102.3
32.5°	799.4	681.7	350.3	119.4	101.9	97.5	96.4	97.0	96.4	96.4	96.4
35°	843.9	697.1	297.6	104.2	94.4	90.7	89.6	90.4	90.0	90.0	89.8
37.5°	908.7	725.8	244.5	95.0	87.8	83.9	82.5	83.6	83.2	83.2	83.0
40°	987.7	767.5	194.0	88.0	81.4	77.3	76.0	76.6	75.7	75.7	76.0
42.5°	1085.2	820.4	149.9	81.2	74.9	71.1	70.4	69.8	68.1	67.2	67.4
45°	1193.6	875.5	116.8	74.6	68.9	65.8	64.7	63.2	60.4	58.6	58.8
47.5°	1290.4	917.9	95.0	68.1	63.4	61.0	59.3	56.6	52.5	50.3	50.5
50°	1341.3	924.3	80.8	61.7	58.2	55.8	53.5	49.2	44.5	42.1	41.9
52.5°	1354.3	894.2	70.4	55.8	53.1	50.3	47.2	41.5	36.2	33.6	33.2
55°	1359.1	848.3	61.0	50.3	47.6	44.5	40.4	34.0	29.0	26.5	26.3
57.5°	1343.3	779.8	53.6	45.4	42.1	38.2	33.2	27.2	22.4	20.4	20.4
60°	1308.2	687.0	47.9	40.0	36.4	32.0	26.8	21.1	16.7	15.1	15.1
62.5°	1238.2	566.9	42.6	34.5	31.0	26.5	21.7	16.0	11.8	10.8	11.0
65°	1106.2	430.0	37.3	29.6	26.5	21.9	16.9	11.4	7.9	7.9	8.3
67.5°	902.1	298.7	31.8	25.2	22.8	17.8	12.9	7.9	5.5	6.2	7.0
70°	597.2	167.5	27.2	20.8	19.5	14.1	9.6	5.3	4.4	5.9	7.2
72.5°	225.4	65.2	22.8	16.7	16.9	10.8	6.8	4.0	4.0	6.4	8.4
75°	62.8	32.0	16.3	12.3	13.2	7.9	5.0	3.5	3.9	7.3	9.9
77.5°	36.9	23.5	10.7	7.2	9.0	5.5	3.3	2.8	3.3	6.2	9.6
80°	29.8	12.5	6.2	3.7	5.0	3.1	2.2	1.7	0.9	2.4	5.0
82.5°	29.8	7.5	2.9	2.6	2.6	1.7	1.1	0.7	0.2	0.0	1.3
85°	20.0	3.1	1.8	1.7	1.3	0.6	0.4	0.2	0.0	0.0	0.0
87.5°	3.3	1.3	0.7	0.4	0.2	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)