

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: P526321

Luminaire Tested: **GLAN-SA1B-730-U-T3R-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526321
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-11)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1B-730-U-T3R-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE III ROADWAY
OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3189 lumens
Efficiency: N/A
Efficacy: 72.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

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

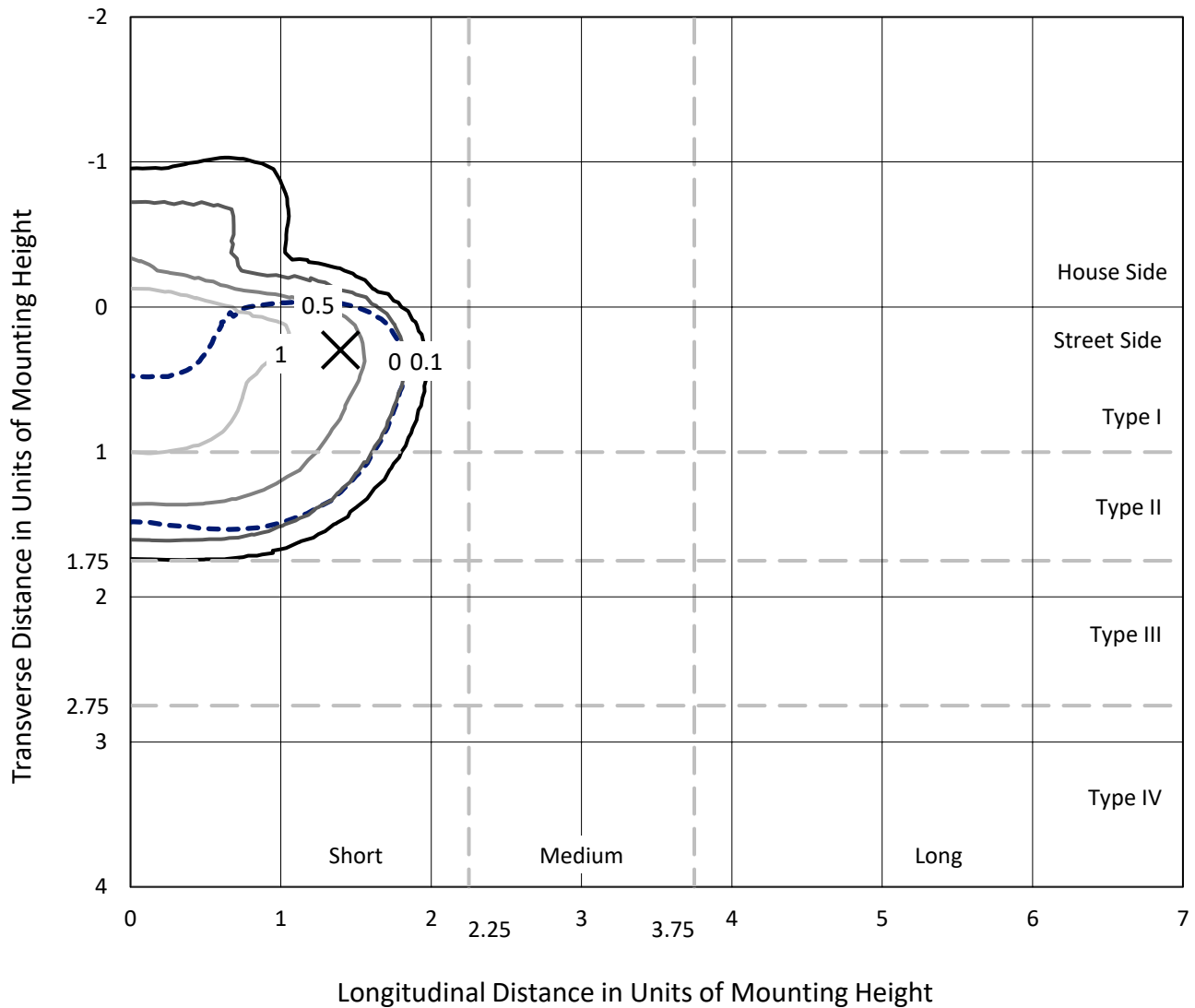


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

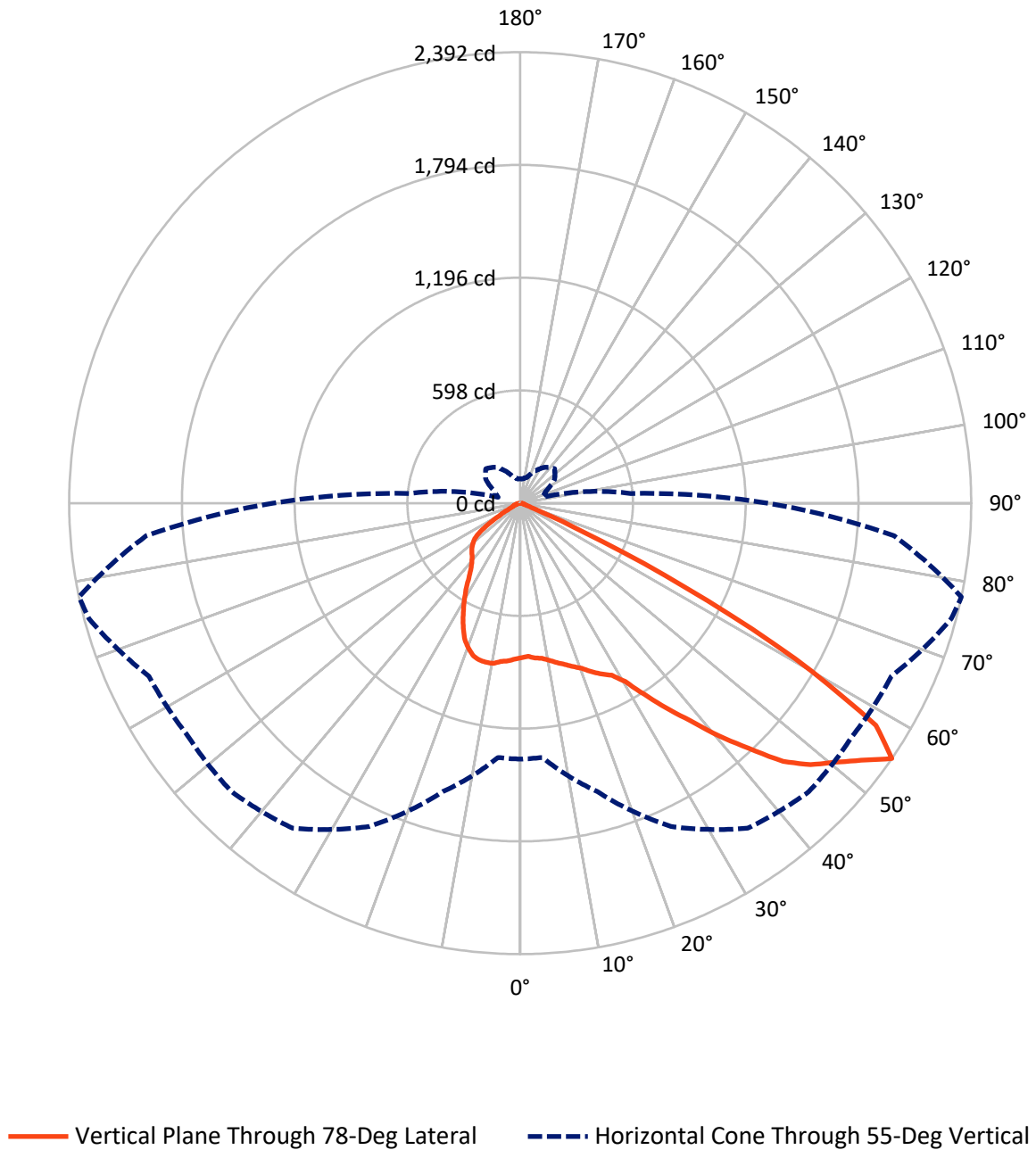


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	592.3	0.0	592.3
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	2596.7	0.0	2596.7
	% Fixture	81.4	0.0	81.4
Total	Lumens	3189.0	0.0	3189.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.1	2.3
10°-20°	193.5	6.1
20°-30°	339.1	10.6
30°-40°	559.2	17.5
40°-50°	813.7	25.5
50°-60°	922.0	28.9
60°-70°	263.6	8.3
70°-80°	20.5	0.6
80°-90°	4.3	0.1
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°	3189.0	100.0
0°-180°	3189.0	100.0

Coefficient of Utilization



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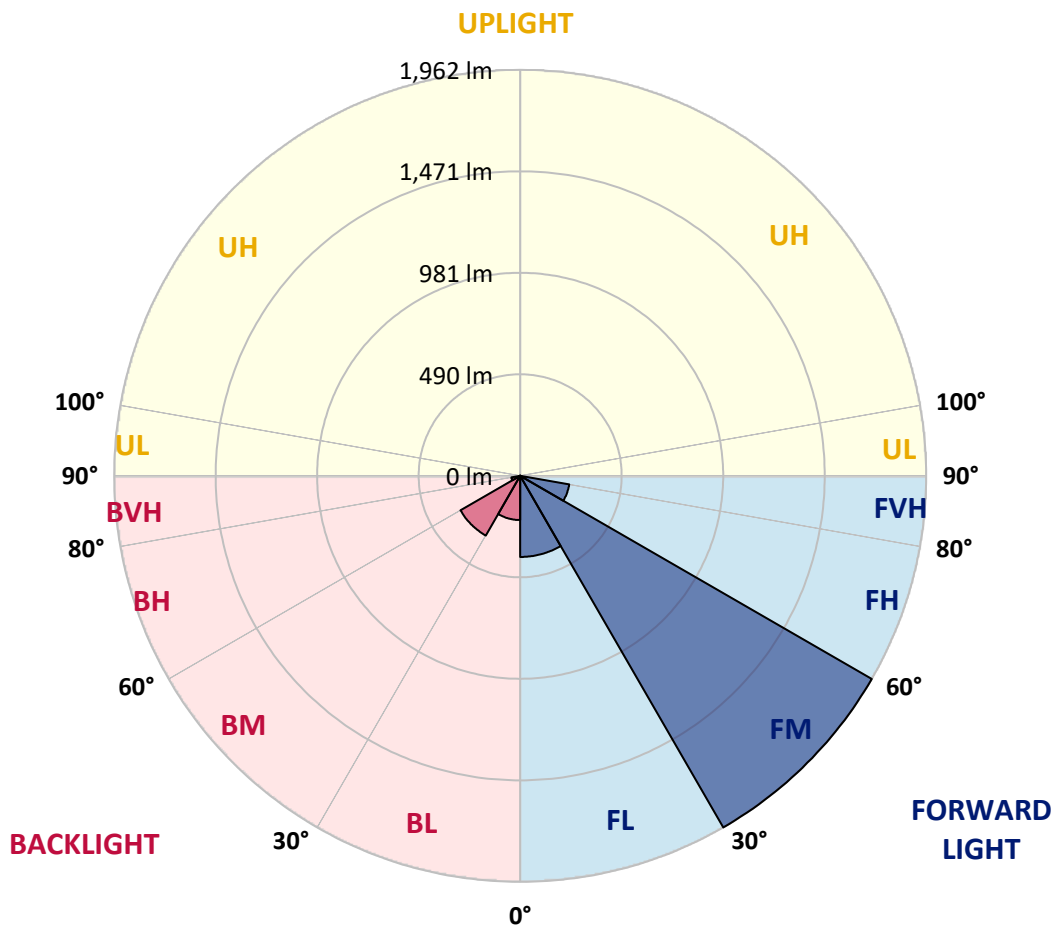
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	392.0	12.3			
FM	(30°-60°)	1961.7	61.5			
FH	(60°-80°)	240.9	7.6			G0/660
FVH	(80°-90°)	2.1	0.1			G0/10
BL	(0°-30°)	213.7	6.7	B1/500		
BM	(30°-60°)	333.2	10.4	B1/1000		
BH	(60°-80°)	43.2	1.4	B0/110		G0/110
BVH	(80°-90°)	2.2	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	819.9	819.9	819.9	819.9	819.9	819.9	819.9	819.9	819.9	819.9	819.9
2.5°	770.9	778.3	779.4	788.5	788.0	803.4	807.9	808.5	818.8	813.6	826.7
5°	749.2	745.2	743.5	759.5	764.0	777.7	789.1	795.9	817.0	824.5	838.1
7.5°	729.8	729.8	730.9	745.2	743.5	761.2	773.1	794.2	825.0	831.3	847.8
10°	711.0	704.2	712.7	727.5	740.1	748.1	773.1	793.1	829.0	847.3	870.1
12.5°	701.3	704.7	705.9	716.7	730.4	754.3	768.0	801.1	857.5	868.4	892.9
15°	762.3	755.5	738.9	729.2	740.6	752.0	786.3	819.9	872.3	887.7	915.1
17.5°	833.0	827.3	813.6	787.4	761.7	782.8	809.6	840.4	888.3	911.1	951.6
20°	925.4	916.3	902.6	851.3	829.0	806.2	834.7	871.2	914.5	935.1	976.7
22.5°	1035.4	1035.4	1004.6	942.5	896.3	874.6	886.6	907.7	943.6	971.6	1012.6
25°	1150.0	1146.6	1118.7	1054.2	976.1	950.5	964.1	979.0	988.7	1004.1	1031.4
27.5°	1281.2	1261.2	1225.8	1154.6	1085.6	1036.0	1050.8	1037.7	1025.7	1033.7	1073.0
30°	1370.1	1382.6	1337.6	1269.2	1204.2	1148.9	1151.7	1140.3	1085.6	1097.0	1120.4
32.5°	1462.5	1470.4	1445.4	1407.7	1342.7	1278.3	1254.9	1245.2	1204.2	1209.3	1186.5
35°	1539.4	1554.8	1532.6	1516.1	1497.2	1445.4	1380.9	1412.3	1346.2	1333.6	1274.3
37.5°	1610.1	1605.6	1631.8	1614.7	1610.7	1574.2	1503.5	1509.8	1465.3	1462.5	1394.0
40°	1673.4	1674.6	1710.5	1718.5	1702.5	1637.5	1534.9	1584.5	1620.4	1623.8	1536.0
42.5°	1725.9	1741.3	1772.1	1836.5	1812.5	1704.2	1567.4	1621.5	1755.0	1776.1	1670.6
45°	1771.5	1802.9	1841.1	1898.6	1885.0	1798.9	1648.3	1697.9	1898.6	1953.9	1797.2
47.5°	1774.3	1815.4	1857.0	1942.5	1959.6	1849.6	1732.2	1818.8	2012.7	2072.5	1889.5
50°	1762.9	1784.6	1867.9	1960.8	1999.6	1932.3	1849.6	1920.3	2123.3	2160.9	1936.3
52.5°	1627.8	1644.3	1811.4	1977.9	2071.4	2025.8	2005.3	2061.7	2236.2	2264.1	1980.2
55°	1357.0	1354.1	1583.9	1891.8	2104.5	2164.3	2151.8	2171.7	2366.7	2391.8	1991.0
57.5°	928.2	980.1	1178.5	1575.4	1902.1	2131.8	2145.0	2111.9	2214.5	2224.2	1735.6
60°	500.6	522.3	681.9	1051.4	1448.2	1737.3	1771.5	1711.6	1703.6	1676.3	1239.0
62.5°	199.0	209.8	300.5	520.6	789.1	1055.9	1129.5	1105.0	1052.5	980.7	641.4
65°	94.6	101.5	149.4	243.5	350.1	440.2	513.7	536.5	395.7	356.4	211.5
67.5°	64.4	69.6	108.9	139.1	124.9	130.6	169.9	157.9	92.9	79.3	58.7
70°	49.0	52.5	87.2	94.6	55.9	39.3	43.9	41.1	38.2	38.8	38.2
72.5°	34.8	37.6	63.9	55.9	24.5	18.2	23.4	27.9	27.9	27.9	27.4
75°	21.1	23.9	37.1	21.7	9.7	9.7	14.8	18.8	20.0	20.5	19.4
77.5°	10.8	13.7	12.5	6.3	6.3	7.4	10.8	13.1	14.3	14.3	13.7
80°	2.3	2.3	2.3	3.4	6.3	8.0	10.8	12.0	13.7	13.7	12.5
82.5°	0.0	0.6	1.7	3.4	5.7	7.4	10.3	12.0	13.7	14.3	13.1
85°	0.0	0.6	1.1	2.3	4.0	4.6	4.0	3.4	3.4	3.4	3.4
87.5°	0.0	0.0	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1
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°	819.9	819.9	819.9	819.9	819.9	819.9	819.9	819.9	819.9	819.9	819.9
2.5°	827.9	829.6	826.7	826.2	823.9	830.7	814.2	810.2	820.5	810.8	813.1
5°	838.7	842.7	837.6	829.0	816.5	797.1	780.6	758.9	748.6	741.2	740.1
7.5°	846.7	849.5	844.4	817.0	779.4	730.4	693.9	667.1	646.0	639.7	629.5
10°	879.2	879.8	854.1	793.7	720.1	655.7	599.8	558.8	537.7	524.5	518.8
12.5°	900.9	899.7	847.8	747.5	649.4	563.9	500.0	450.4	431.0	424.8	420.8
15°	928.2	922.0	833.0	700.2	558.2	465.8	408.2	374.0	372.3	368.3	372.3
17.5°	949.9	932.2	811.3	614.1	471.0	383.7	346.1	348.4	352.9	356.9	357.5
20°	985.2	948.8	761.7	538.8	390.0	329.0	328.4	338.7	350.1	354.6	359.2
22.5°	1012.0	955.6	708.7	458.4	323.9	306.7	316.4	331.8	340.4	344.9	351.8
25°	1021.7	936.8	638.0	378.0	291.9	296.5	311.3	321.6	332.4	337.5	334.7
27.5°	1031.4	927.1	553.6	311.3	274.8	289.6	302.2	312.4	315.9	322.7	327.3
30°	1054.8	893.4	477.8	269.1	266.3	285.1	294.2	297.6	306.7	310.7	310.7
32.5°	1073.6	880.3	397.4	249.2	265.1	287.4	288.5	288.5	289.6	286.8	285.7
35°	1112.4	835.3	325.6	237.2	264.6	287.9	290.8	281.1	254.9	244.6	241.7
37.5°	1160.3	806.2	272.5	234.3	268.5	294.8	299.3	262.8	228.6	212.1	209.2
40°	1218.4	785.7	237.8	233.2	277.7	310.7	297.1	248.6	204.1	180.2	179.0
42.5°	1286.3	766.9	214.4	232.6	289.1	327.3	294.8	236.6	179.0	163.1	165.3
45°	1340.5	756.6	198.4	228.6	293.1	337.0	296.5	215.5	168.8	158.5	159.6
47.5°	1382.6	734.9	185.3	221.8	292.5	340.4	281.1	207.0	163.6	166.5	169.3
50°	1383.8	705.9	168.8	207.0	283.9	334.1	263.4	199.0	162.5	174.5	180.2
52.5°	1368.4	664.8	151.1	185.9	264.0	312.4	247.5	195.6	157.4	156.2	163.1
55°	1313.7	587.8	121.4	150.5	222.9	257.7	233.2	189.3	142.0	128.9	130.0
57.5°	1061.6	421.4	89.5	107.8	157.9	188.7	210.4	186.4	127.7	109.5	110.0
60°	657.4	238.9	65.6	73.6	97.5	114.6	170.5	173.3	114.0	92.4	91.2
62.5°	337.5	118.0	50.7	51.9	59.9	67.3	116.9	145.4	103.2	87.8	87.8
65°	112.9	58.2	44.5	39.9	39.9	41.6	70.7	100.9	87.2	73.6	73.6
67.5°	48.5	43.3	38.8	34.8	31.9	30.2	39.9	58.7	65.0	55.9	53.6
70°	37.6	36.5	33.6	29.1	25.1	22.8	23.4	30.2	37.1	35.9	34.8
72.5°	27.9	27.9	26.8	22.8	19.4	16.5	15.4	16.0	17.7	18.2	18.8
75°	19.4	20.0	20.0	17.7	14.3	12.0	10.3	8.6	6.8	5.7	5.1
77.5°	13.1	13.7	14.8	13.1	10.8	8.0	6.3	4.6	2.9	1.1	1.1
80°	11.4	13.1	14.3	13.1	11.4	8.6	6.3	3.4	1.7	0.0	0.0
82.5°	12.0	13.1	14.8	12.5	10.8	8.0	6.3	4.0	1.7	0.6	0.0
85°	2.9	2.9	3.4	4.0	5.1	5.7	4.6	2.9	1.7	0.6	0.0
87.5°	1.1	1.1	1.1	1.1	1.1	0.6	0.6	0.6	0.6	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)