

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: P459189

Luminaire Tested: **GLAN-SA6D-735-U-SL3**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P459189
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6D-735-U-SL3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42356 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

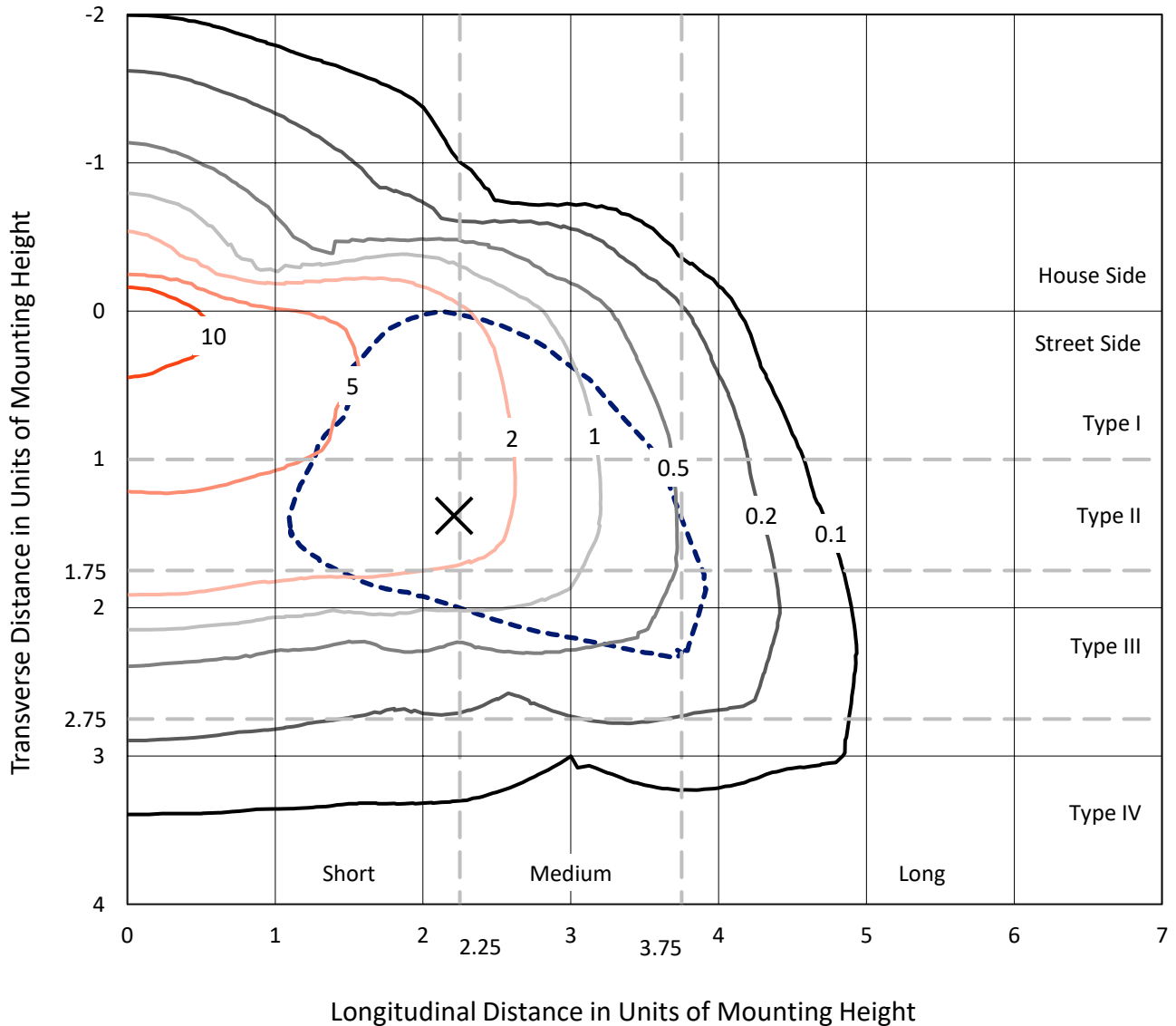
Input Watts (W): 368
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

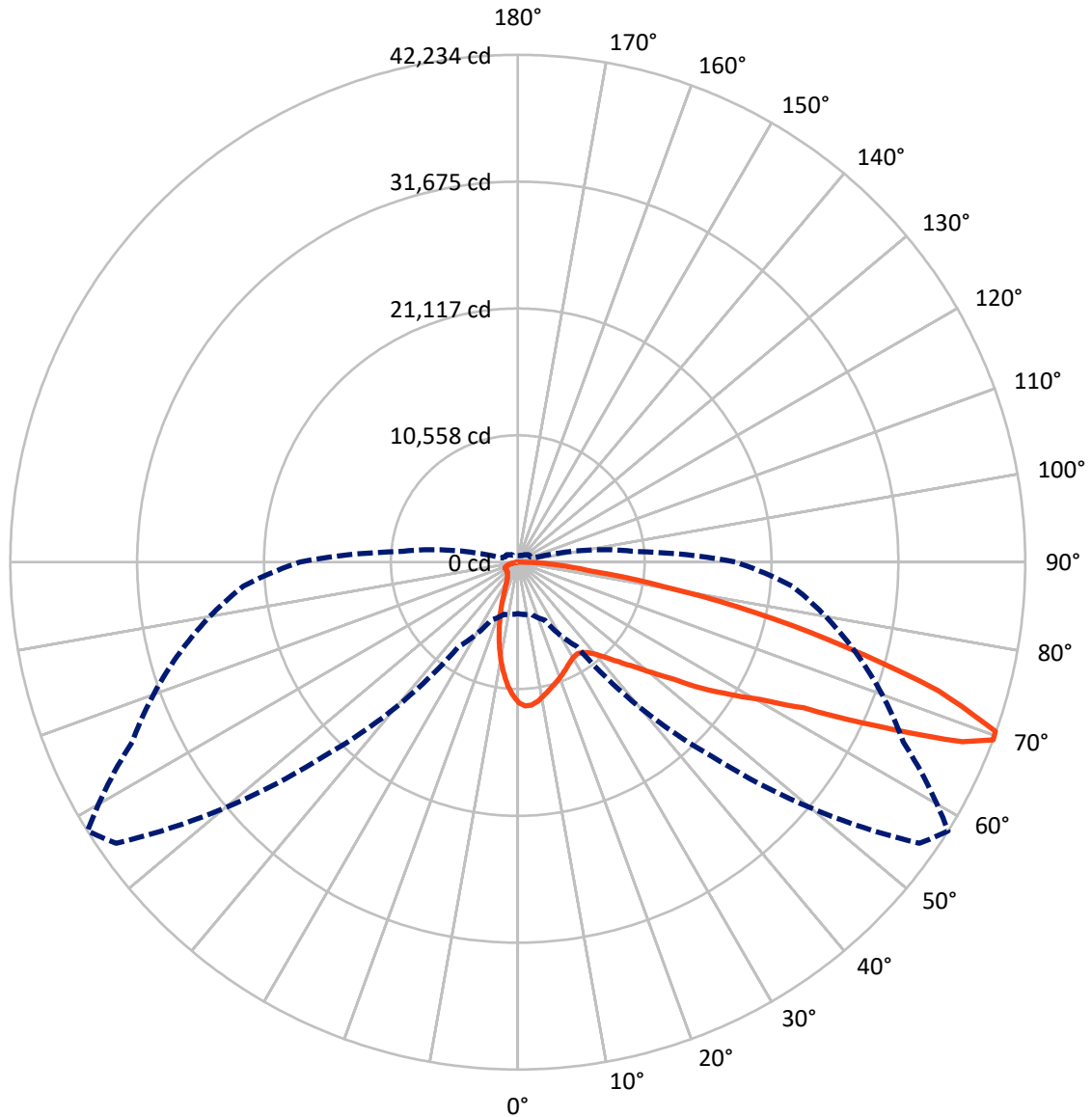
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6207.3	0.0	6207.3
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	36148.7	0.0	36148.7
	% Fixture	85.3	0.0	85.3
Total	Lumens	42356.0	0.0	42356.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	994.0	2.3
10°-20°	2182.7	5.2
20°-30°	2820.1	6.7
30°-40°	3662.7	8.6
40°-50°	5325.1	12.6
50°-60°	8497.0	20.1
60°-70°	11351.0	26.8
70°-80°	6543.4	15.4
80°-90°	980.1	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°	42356.0	100.0
0°-180°	42356.0	100.0

Coefficient of Utilization



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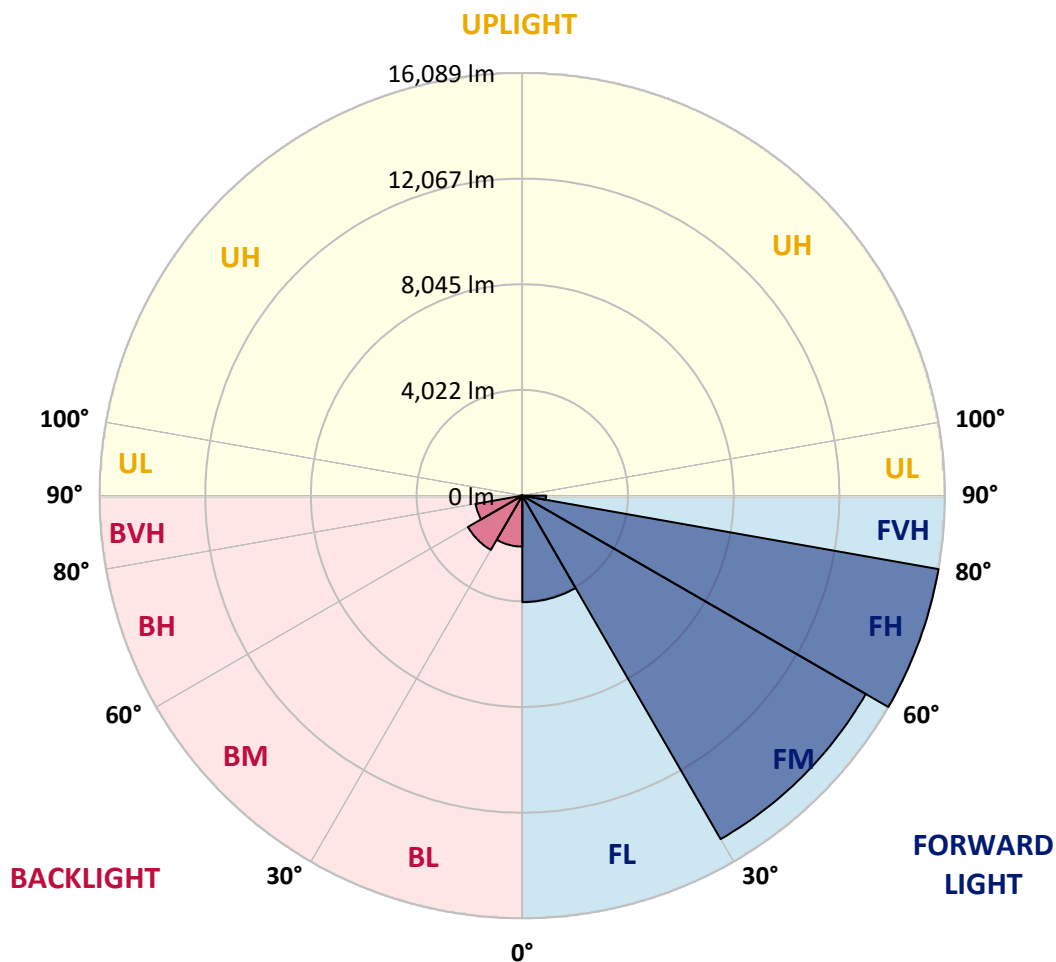
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4056.6	9.6			
FM	(30°-60°)	15097.7	35.6			
FH	(60°-80°)	16089.4	38.0			G5
FVH	(80°-90°)	905.0	2.1			G5
BL	(0°-30°)	1940.1	4.6	B3/2500		
BM	(30°-60°)	2387.1	5.6	B2/2500		
BH	(60°-80°)	1805.0	4.3	B3/2500		G3/2500
BVH	(80°-90°)	75.1	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	11704.7	11704.7	11704.7	11704.7	11704.7	11704.7	11704.7	11704.7	11704.7	11704.7	11704.7
2.5°	12139.4	12172.4	12163.0	12151.2	12132.3	12080.3	11995.3	11981.1	11926.8	11811.0	11666.9
5°	11952.8	11981.1	11983.5	12000.0	12023.6	12014.2	11952.8	11945.7	11865.3	11709.4	11468.5
7.5°	11312.6	11350.4	11433.1	11525.2	11607.9	11685.8	11704.7	11716.5	11666.9	11487.4	11166.1
10°	10592.1	10629.9	10667.7	10804.7	11007.9	11201.6	11362.2	11383.5	11395.3	11229.9	10837.8
12.5°	9793.7	9871.6	9952.0	10155.1	10426.8	10731.5	11015.0	11059.8	11140.2	11015.0	10554.3
15°	9115.7	9196.1	9311.8	9493.7	9822.0	10261.4	10660.6	10733.9	10892.1	10828.3	10289.8
17.5°	8645.7	8674.0	8754.3	8962.2	9316.5	9779.5	10313.4	10459.8	10712.6	10696.1	10063.0
20°	8274.8	8310.2	8359.8	8487.4	8855.9	9344.9	9989.8	10178.7	10521.3	10577.9	9838.6
22.5°	8118.9	8144.9	8137.8	8206.3	8456.7	8948.0	9661.4	9885.8	10351.2	10497.6	9630.7
25°	8128.3	8152.0	8116.5	8100.0	8248.8	8598.4	9318.9	9604.7	10214.2	10443.3	9441.7
27.5°	8286.6	8303.1	8237.0	8170.9	8182.7	8381.1	9035.4	9352.0	10098.4	10466.9	9283.5
30°	8499.2	8529.9	8487.4	8407.1	8319.7	8329.1	8853.5	9165.3	10044.1	10549.6	9207.9
32.5°	8773.2	8801.6	8782.7	8718.9	8605.5	8480.3	8808.7	9096.8	10048.8	10717.3	9191.3
35°	9061.4	9118.1	9148.8	9144.1	9052.0	8834.6	8985.8	9224.4	10162.2	10998.4	9288.2
37.5°	9387.4	9434.6	9566.9	9652.0	9566.9	9314.2	9385.0	9550.4	10412.6	11404.7	9500.8
40°	9703.9	9774.8	9968.5	10233.1	10200.0	9977.9	9994.5	10103.1	10854.3	12009.4	9916.5
42.5°	10034.6	10119.7	10457.5	10849.6	10927.6	10755.1	10800.0	10896.8	11482.7	12848.0	10629.9
45°	10459.8	10561.4	10977.2	11466.1	11773.2	11666.9	11794.5	11841.7	12323.6	13939.4	11570.1
47.5°	11007.9	11126.0	11638.6	12248.0	12682.7	12779.5	13001.6	12973.2	13365.3	15231.5	12789.0
50°	11931.5	11997.6	12481.9	13103.1	13700.8	14137.8	14378.7	14423.6	14657.5	16488.2	14152.0
52.5°	13029.9	13089.0	13438.6	13981.9	14730.7	15656.7	16252.0	16105.5	16162.2	18018.9	15746.4
55°	14265.3	14364.6	14586.6	14948.0	15918.9	17281.9	18477.2	18512.6	17884.2	19483.5	17274.8
57.5°	15222.0	15389.8	15770.1	16285.0	17515.7	19089.0	20695.3	20718.9	19915.7	21047.2	18961.4
60°	14740.2	14938.6	15807.9	17062.2	19611.0	22242.5	23345.7	23211.0	21892.9	22828.3	21018.9
62.5°	12661.4	12696.8	13960.6	15921.3	20255.9	26461.4	27290.5	26721.2	24531.5	25086.6	23109.4
65°	8194.5	8426.0	9427.6	12174.8	18137.0	28802.3	34202.3	32886.6	28230.7	27649.6	24859.8
67.5°	5173.2	5114.2	5529.9	6952.0	12474.8	26740.1	40100.8	39892.9	33068.5	29267.7	24441.7
69°	4289.8	4355.9	4497.6	5329.1	8584.2	22830.7	40797.6	42233.8	35414.2	29140.1	22922.8
70°	3890.5	3921.3	4070.1	4724.4	6623.6	19122.0	39654.3	42170.1	36335.4	28606.3	21822.0
72.5°	3087.4	3085.0	3340.2	3930.7	4951.2	10915.7	32560.6	36611.8	35305.5	26121.2	18030.7
75°	2345.7	2383.5	2664.6	3326.0	4561.4	5964.6	22722.0	28195.3	28197.6	20631.5	11251.2
77.5°	1691.3	1715.0	2043.3	2792.1	4296.8	4835.4	15134.6	20222.8	19011.0	9453.5	3536.2
80°	1107.9	1122.0	1372.4	2211.0	3874.0	4561.4	8974.0	12377.9	8966.9	2508.7	1169.3
82.5°	607.1	678.0	838.6	1431.5	3108.7	4214.2	5454.3	6264.6	3363.8	1117.3	609.4
85°	304.7	323.6	472.4	836.2	2031.5	3486.6	3798.4	3592.9	1736.2	555.1	316.5
87.5°	89.8	113.4	196.1	323.6	824.4	1816.5	2114.2	1896.8	668.5	200.8	66.1
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°	11704.7	11704.7	11704.7	11704.7	11704.7	11704.7	11704.7	11704.7	11704.7	11704.7	11704.7
2.5°	11607.9	11565.3	11376.4	11206.3	11050.4	10885.0	10745.7	10622.8	10634.6	10637.0	10511.8
5°	11343.3	11246.5	10887.4	10552.0	10268.5	9909.4	9602.4	9403.9	9304.7	9172.4	9219.7
7.5°	10984.2	10797.6	10299.2	9741.7	9219.7	8754.3	8248.8	7901.6	7679.5	7464.6	7492.9
10°	10613.4	10313.4	9588.2	8851.2	8175.6	7431.5	6786.6	6233.9	5822.8	5669.3	5567.7
12.5°	10233.1	9838.6	8917.3	7937.0	7003.9	6113.4	5199.2	4606.3	4152.8	3911.8	3942.5
15°	9885.8	9406.3	8218.1	7022.8	5811.0	4750.4	3838.6	3274.0	2957.5	2891.3	2929.1
17.5°	9564.6	8936.2	7563.8	6134.6	4719.7	3562.2	2884.3	2565.4	2437.8	2402.4	2400.0
20°	9233.9	8537.0	6829.1	5185.0	3678.0	2761.4	2366.9	2218.1	2194.5	2208.7	2211.0
22.5°	8898.4	8043.3	6073.2	4242.5	2929.1	2258.3	2069.3	2029.1	2048.0	2081.1	2085.8
25°	8589.0	7608.7	5345.7	3415.7	2338.6	1984.3	1892.1	1892.1	1934.6	1984.3	1986.6
27.5°	8333.9	7188.2	4620.5	2711.8	1958.3	1785.8	1755.1	1771.7	1830.7	1868.5	1870.9
30°	8123.6	6796.1	3935.4	2173.2	1722.0	1627.6	1620.5	1648.8	1691.3	1726.8	1729.1
32.5°	7965.4	6451.2	3295.3	1826.0	1559.1	1507.1	1504.7	1526.0	1549.6	1559.1	1568.5
35°	7903.9	6165.4	2709.4	1606.3	1450.4	1417.3	1417.3	1415.0	1424.4	1429.1	1433.9
37.5°	7953.5	5945.7	2255.9	1464.6	1370.1	1346.5	1332.3	1318.1	1313.4	1313.4	1315.7
40°	8163.8	5829.9	1918.1	1372.4	1313.4	1278.0	1252.0	1235.4	1218.9	1223.6	1228.3
42.5°	8610.2	5851.2	1689.0	1311.0	1263.8	1214.2	1176.4	1157.5	1145.7	1159.8	1157.5
45°	9321.3	6063.8	1542.5	1268.5	1214.2	1150.4	1115.0	1096.1	1096.1	1117.3	1124.4
47.5°	10315.7	6470.1	1464.6	1235.4	1176.4	1100.8	1065.4	1051.2	1055.9	1091.3	1093.7
50°	11529.9	7176.4	1450.4	1218.9	1157.5	1065.4	1025.2	1011.0	1022.8	1060.6	1065.4
52.5°	12869.3	8085.8	1518.9	1221.3	1140.9	1044.1	992.1	970.9	982.7	1013.4	1022.8
55°	14456.7	9224.4	1696.1	1230.7	1117.3	1032.3	968.5	921.3	935.4	956.7	959.1
57.5°	16077.2	10660.6	2007.9	1233.1	1098.4	1011.0	928.3	866.9	866.9	881.1	888.2
60°	18056.7	12224.4	2418.9	1235.4	1100.8	980.3	874.0	805.5	796.1	803.1	805.5
62.5°	20022.0	13533.1	2487.4	1228.3	1124.4	949.6	815.0	744.1	727.6	725.2	720.5
65°	20889.0	13289.8	2038.6	1195.3	1150.4	930.7	767.7	685.0	656.7	647.2	647.2
67.5°	19476.4	11241.7	1533.1	1150.4	1133.9	911.8	722.8	635.4	602.4	583.5	583.5
69°	18148.8	9999.2	1377.2	1119.7	1091.3	881.1	694.5	609.4	569.3	548.0	540.9
70°	17123.6	9144.1	1311.0	1093.7	1051.2	845.7	673.2	590.6	545.7	522.0	517.3
72.5°	13665.3	7174.0	1148.0	994.5	895.3	711.0	597.6	531.5	489.0	463.0	455.9
75°	7875.6	3888.2	952.0	864.6	720.5	552.8	505.5	463.0	429.9	406.3	399.2
77.5°	2423.6	1502.4	689.8	682.7	529.1	427.6	403.9	387.4	363.8	337.8	333.1
80°	1020.5	765.4	467.7	460.6	352.0	297.6	290.6	288.2	278.7	257.5	250.4
82.5°	559.8	432.3	326.0	283.5	212.6	172.4	179.5	181.9	174.8	153.5	139.4
85°	274.0	236.2	158.3	127.6	96.9	61.4	59.1	70.9	66.1	47.2	52.0
87.5°	54.3	66.1	42.5	18.9	9.4	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)