

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: P653787

Luminaire Tested: **GLAN-SA3A-840-U-T3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P653787
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-16)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA3A-840-U-T3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9788.4 lumens
Efficiency: N/A
Efficacy: 105.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

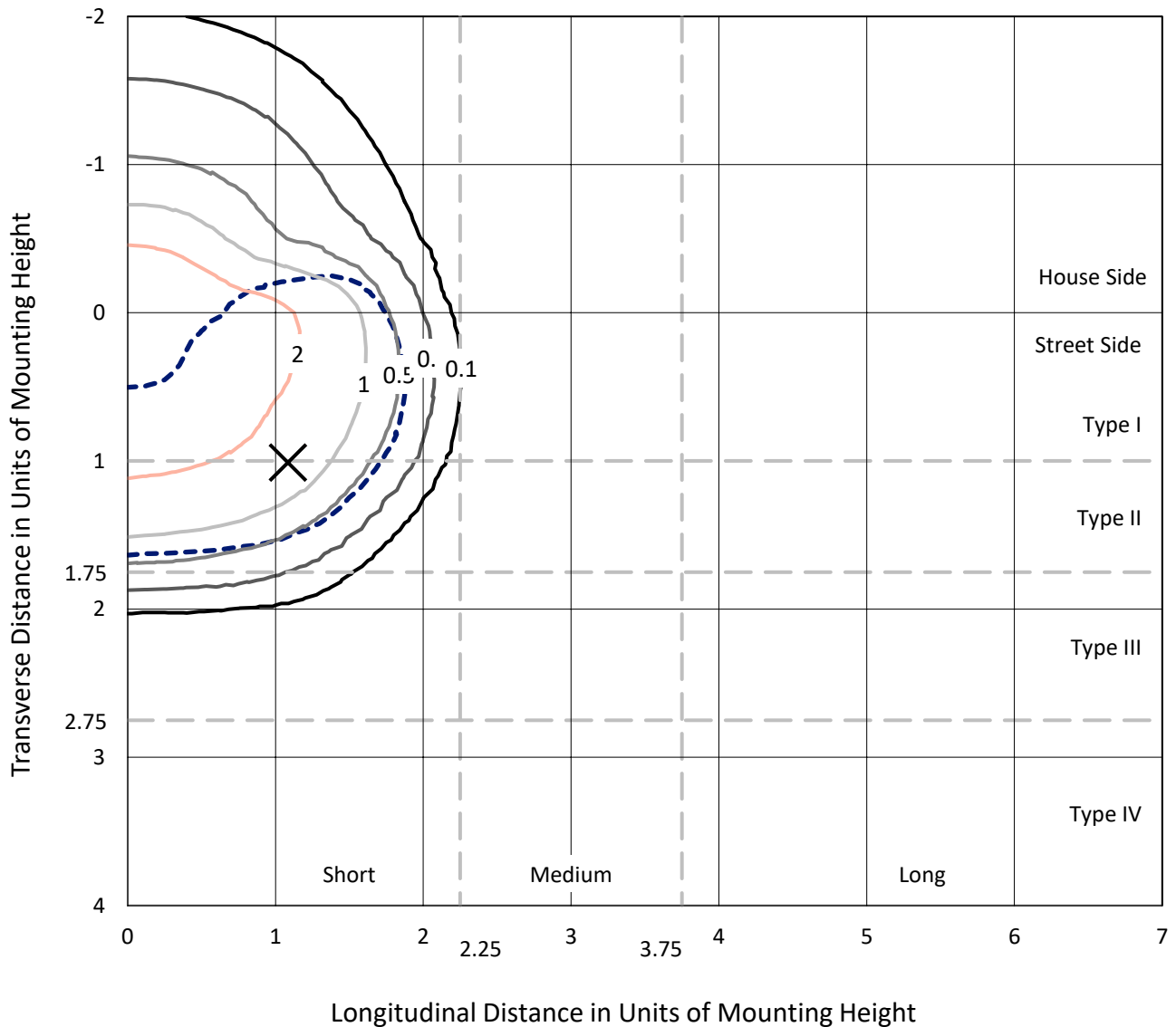
Input Watts (W): 93
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

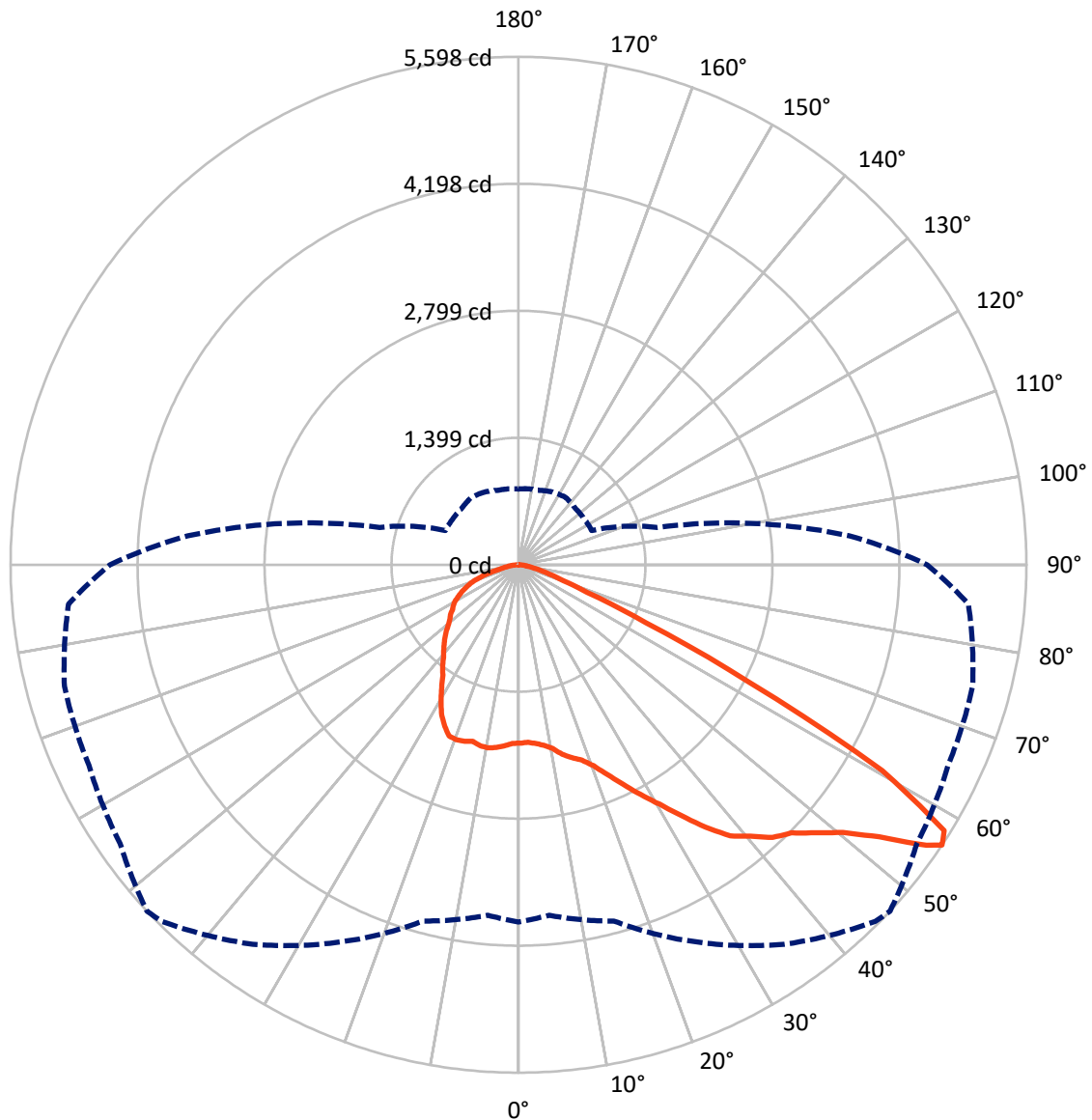
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3101.8	0.0	3101.8
	% Fixture	31.7	0.0	31.7
Street Side	Lumens	6686.6	0.0	6686.6
	% Fixture	68.3	0.0	68.3
Total	Lumens	9788.4	0.0	9788.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.6	2.0
10°-20°	604.3	6.2
20°-30°	1068.3	10.9
30°-40°	1604.6	16.4
40°-50°	2202.1	22.5
50°-60°	2623.5	26.8
60°-70°	1122.7	11.5
70°-80°	317.7	3.2
80°-90°	53.5	0.5
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°	9788.4	100.0
0°-180°	9788.4	100.0

Coefficient of Utilization

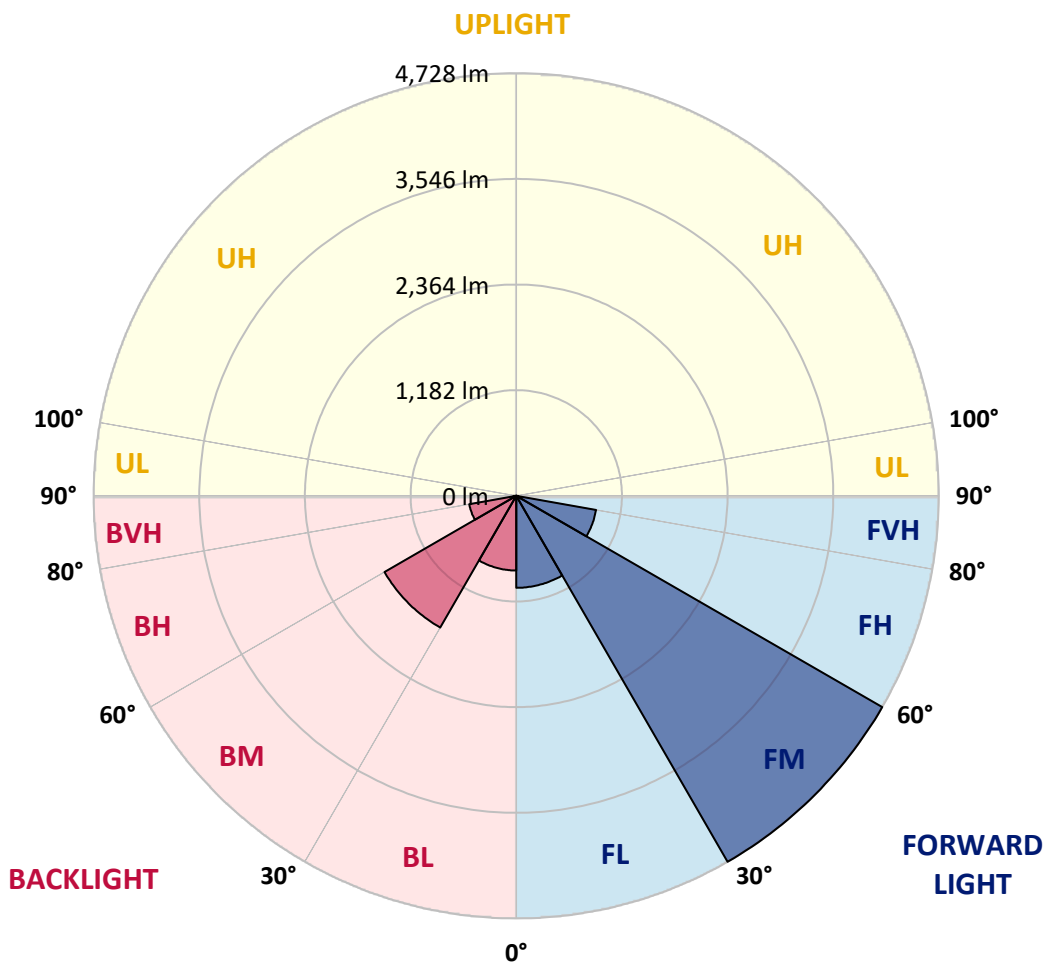


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1029.1	10.5			
FM (30°-60°)	4728.0	48.3			
FH (60°-80°)	906.8	9.3			G1/1800
FVH (80°-90°)	22.7	0.2			G1/100
BL (0°-30°)	835.1	8.5	B2/1000		
BM (30°-60°)	1702.2	17.4	B2/2500		
BH (60°-80°)	533.7	5.5	B2/1000		G2/1000
BVH (80°-90°)	30.8	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1966.2	1966.2	1966.2	1966.2	1966.2	1966.2	1966.2	1966.2	1966.2	1966.2	1966.2
2.5°	1958.7	1955.0	1952.5	1972.4	1964.9	1966.2	1958.7	1966.2	1971.2	1960.0	1976.2
5°	1955.0	1966.2	1956.2	1962.5	1978.7	1973.7	1978.7	1993.7	1989.9	1986.2	1981.1
7.5°	1989.9	1991.2	1998.6	2001.2	2006.1	2001.2	2008.6	2022.4	2018.7	1997.4	1999.9
10°	2039.8	2042.4	2043.6	2057.3	2066.1	2067.3	2058.6	2046.1	2044.8	2073.6	2053.6
12.5°	2097.3	2091.1	2106.0	2111.0	2121.0	2132.2	2143.5	2117.2	2133.4	2134.7	2111.0
15°	2180.9	2187.2	2169.7	2169.7	2173.4	2174.7	2205.9	2193.4	2190.9	2177.2	2187.2
17.5°	2305.8	2263.3	2262.0	2244.5	2242.1	2252.0	2263.3	2273.3	2307.0	2279.5	2225.9
20°	2396.8	2406.9	2370.7	2349.4	2353.2	2375.7	2364.4	2409.4	2433.1	2388.1	2335.7
22.5°	2557.9	2524.2	2532.9	2485.5	2489.3	2513.0	2511.7	2557.9	2571.7	2500.5	2424.4
25°	2666.6	2657.8	2665.3	2627.9	2632.8	2651.6	2681.5	2757.6	2735.2	2656.6	2480.5
27.5°	2825.1	2807.6	2801.4	2787.7	2782.6	2832.6	2867.6	2948.6	2932.4	2817.6	2580.4
30°	2987.4	2976.1	2982.4	2926.2	2946.2	3052.2	3062.2	3173.3	3165.9	2963.7	2691.5
32.5°	3099.8	3106.0	3117.2	3086.0	3174.6	3259.5	3293.2	3419.3	3425.6	3214.6	2906.2
35°	3280.7	3259.5	3265.8	3301.9	3343.1	3498.0	3552.9	3636.5	3689.0	3478.0	3112.2
37.5°	3394.4	3416.8	3390.6	3448.0	3555.4	3741.4	3791.3	3877.4	3932.3	3737.7	3393.1
40°	3571.6	3535.4	3554.2	3595.4	3705.2	3947.4	3933.6	4022.3	4039.7	3958.6	3655.2
42.5°	3762.6	3745.1	3718.9	3812.5	3904.9	4081.0	4108.4	4067.2	4155.8	4174.6	4029.7
45°	3991.0	4012.2	4016.0	4018.6	4099.7	4253.2	4215.8	4179.6	4282.0	4418.0	4261.9
47.5°	4203.3	4135.9	4184.6	4251.9	4366.8	4368.1	4411.8	4325.6	4434.3	4555.4	4471.7
50°	4274.5	4242.0	4306.9	4434.3	4611.5	4630.2	4635.3	4512.9	4569.1	4665.2	4544.1
52.5°	4247.0	4235.8	4401.8	4599.0	4858.7	4953.6	4978.6	4827.5	4858.7	4815.0	4703.9
55°	4115.9	4149.6	4316.9	4718.9	5117.1	5410.5	5457.9	5266.9	5068.4	5102.1	4979.8
56°	3936.1	3877.4	4064.7	4582.8	5105.9	5559.0	5597.7	5359.3	5224.5	5180.7	4977.3
57.5°	3339.4	3263.2	3509.2	4123.4	4822.5	5502.8	5531.6	5398.0	5198.2	5109.6	4614.0
60°	1955.0	1992.4	2304.5	2843.8	3720.2	4511.6	4607.8	4705.1	4571.6	4174.6	3434.3
62.5°	943.8	920.1	1143.5	1630.4	2267.1	2880.0	2851.3	3124.7	3274.5	2966.1	2168.4
65°	494.3	491.9	624.2	890.1	1245.9	1513.0	1539.3	1686.5	1892.5	1528.0	1101.0
67.5°	363.3	373.2	439.4	625.5	801.5	817.7	813.9	887.6	907.6	767.7	676.6
70°	284.6	289.6	338.3	475.7	596.7	534.3	523.1	531.8	590.5	615.4	585.5
72.5°	206.0	211.0	252.1	320.8	373.2	364.5	372.0	420.7	493.1	519.3	488.1
75°	137.3	141.0	163.6	196.0	220.9	238.4	252.1	308.3	375.8	390.7	375.8
77.5°	94.9	98.6	113.6	138.6	141.0	152.3	157.3	183.5	224.7	243.5	233.5
80°	53.7	53.7	61.1	71.1	87.4	102.3	104.9	126.1	144.8	157.3	159.8
82.5°	25.0	26.2	32.5	43.7	57.4	71.1	73.7	87.4	101.1	113.6	117.3
85°	12.4	13.7	18.8	26.2	35.0	42.5	41.2	42.5	44.9	42.5	43.7
87.5°	3.8	3.8	5.0	6.2	5.0	6.2	6.2	7.5	8.7	10.0	11.3
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°	1966.2	1966.2	1966.2	1966.2	1966.2	1966.2	1966.2	1966.2	1966.2	1966.2	1966.2
2.5°	1977.4	1981.1	1956.2	1979.9	1971.2	1970.0	1987.5	1984.9	1991.2	1988.6	1973.7
5°	1978.7	1970.0	1996.1	1972.4	1983.7	2007.4	1991.2	2028.6	2009.9	2022.4	1994.9
7.5°	2017.4	2019.9	2014.9	2024.9	2019.9	2031.1	2022.4	2031.1	2016.1	2017.4	2042.4
10°	2051.1	2043.6	2052.3	2039.8	2048.6	2044.8	2024.9	2018.7	2023.6	2017.4	2033.6
12.5°	2113.5	2099.8	2093.5	2078.5	2068.5	2031.1	1999.9	1982.4	2006.1	2009.9	2002.4
15°	2177.2	2178.4	2149.7	2116.0	2053.6	1997.4	2004.9	2011.2	2011.2	2021.1	2002.4
17.5°	2217.1	2217.1	2190.9	2123.5	2059.9	2027.4	2019.9	1999.9	1982.4	1979.9	1978.7
20°	2287.0	2265.8	2205.9	2122.3	2057.3	2042.4	1986.2	1938.8	1902.5	1890.1	1888.8
22.5°	2366.9	2313.3	2229.6	2124.7	2053.6	2032.4	1927.5	1856.3	1791.4	1763.9	1767.7
25°	2440.6	2354.5	2243.4	2113.5	2039.8	1937.5	1820.1	1721.5	1654.1	1631.6	1620.4
27.5°	2491.8	2398.1	2243.4	2123.5	1988.6	1831.4	1711.5	1585.5	1526.8	1511.8	1514.3
30°	2560.4	2453.0	2282.1	2102.2	1886.3	1694.0	1550.5	1468.0	1433.1	1420.6	1429.4
32.5°	2721.5	2596.6	2335.7	2051.1	1765.2	1556.7	1440.6	1394.5	1343.2	1318.3	1309.5
35°	2896.2	2732.7	2388.1	1964.9	1629.1	1431.9	1359.5	1317.0	1255.9	1228.4	1233.4
37.5°	3143.4	2907.5	2391.9	1822.6	1481.8	1362.0	1295.8	1229.6	1179.8	1137.3	1124.8
40°	3476.7	3145.9	2383.1	1672.8	1363.3	1279.6	1230.9	1148.5	1092.3	1062.4	1068.6
42.5°	3770.1	3425.6	2347.0	1503.0	1255.9	1223.4	1168.5	1087.3	1032.4	1001.2	998.7
45°	4017.3	3631.5	2278.3	1358.2	1166.0	1161.0	1097.3	1034.9	991.2	962.5	975.0
47.5°	4245.7	3797.5	2174.7	1213.4	1083.6	1093.6	1032.4	993.7	966.2	940.0	938.8
50°	4328.1	3795.1	2083.6	1093.6	1017.4	1012.4	1010.0	968.7	940.0	917.5	927.5
52.5°	4465.5	3837.5	1984.9	1011.2	957.5	958.7	967.5	937.5	905.1	891.4	903.8
55°	4662.7	3843.8	1767.7	915.1	907.6	916.3	916.3	896.3	868.8	857.7	851.4
56°	4501.6	3657.8	1585.5	890.1	882.6	882.6	906.3	883.9	850.2	841.4	833.9
57.5°	4152.1	3204.5	1327.0	860.1	848.9	866.4	878.8	855.1	823.9	811.5	819.0
60°	2863.8	2168.4	997.4	795.2	795.2	823.9	833.9	798.9	785.2	784.0	774.0
62.5°	1671.6	1263.4	780.2	736.5	739.1	762.8	770.3	750.3	732.8	754.0	764.0
65°	886.3	754.0	669.1	674.1	675.4	694.1	726.5	725.3	724.0	730.3	731.6
67.5°	641.7	626.7	608.0	603.0	605.4	619.2	651.7	676.6	675.4	660.4	649.2
70°	571.8	550.5	539.3	540.5	530.6	546.8	573.0	589.2	560.5	543.0	535.5
72.5°	475.7	469.4	461.9	463.1	443.2	439.4	409.5	409.5	402.0	397.0	405.7
75°	363.3	360.8	364.5	358.3	337.1	314.6	297.1	280.9	255.9	245.9	240.9
77.5°	229.7	237.2	245.9	232.2	223.5	207.2	189.7	173.5	153.6	142.3	142.3
80°	156.0	162.3	168.5	166.0	156.0	141.0	127.3	109.8	96.1	87.4	86.1
82.5°	118.6	123.6	132.3	122.4	112.4	99.9	88.6	76.1	63.7	53.7	53.7
85°	42.5	48.7	53.7	58.7	62.4	63.7	54.9	44.9	36.2	28.7	27.5
87.5°	11.3	12.4	13.7	12.4	12.4	12.4	13.7	12.4	11.3	8.7	8.7
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)