

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: P527721

Luminaire Tested: **GLAN-SA2D-730-U-T2R-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527721
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-9)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2D-730-U-T2R-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9370 lumens
Efficiency: N/A
Efficacy: 75.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B1 - U0 - G0

Input Watts (W): 125
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



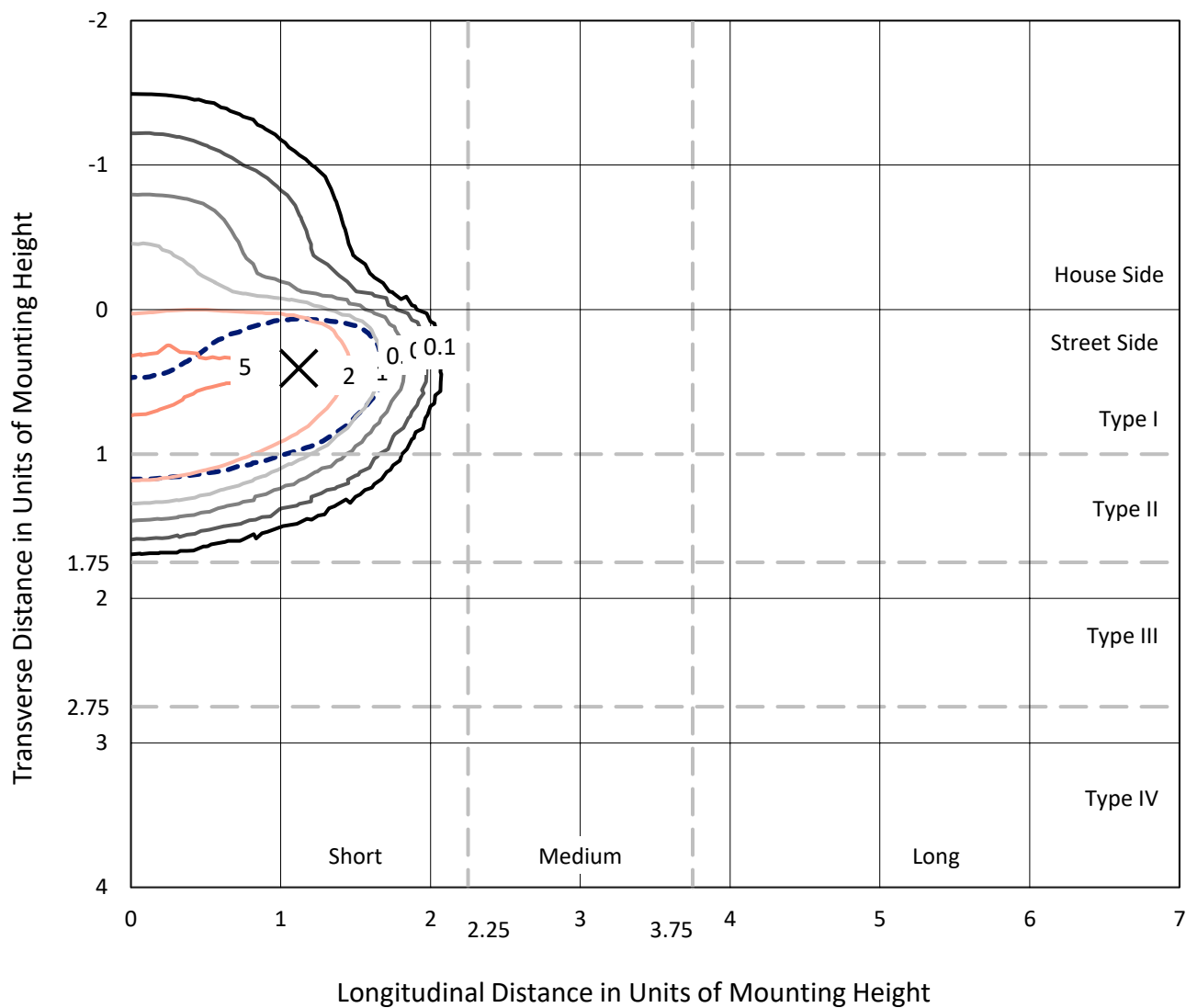
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



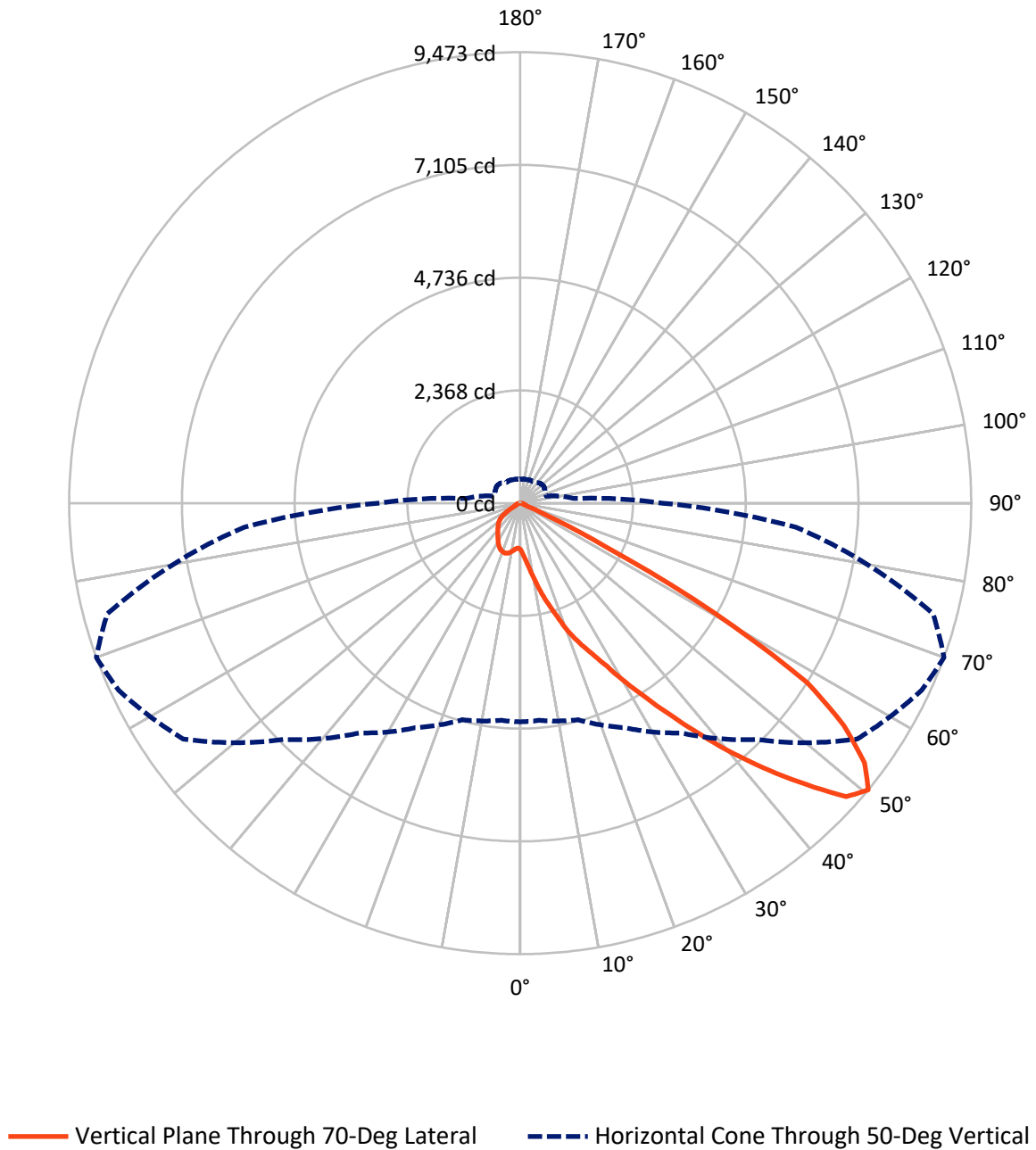
Based on 25 foot mounting height. Maximum calculated value = 5.6 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1308.6	0.0	1308.6
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	8061.4	0.0	8061.4
	% Fixture	86.0	0.0	86.0
Total	Lumens	9370.0	0.0	9370.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.2	1.3
10°-20°	545.9	5.8
20°-30°	1145.3	12.2
30°-40°	1974.0	21.1
40°-50°	2885.0	30.8
50°-60°	2247.0	24.0
60°-70°	380.7	4.1
70°-80°	52.3	0.6
80°-90°	13.5	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°	9370.0	100.0
0°-180°	9370.0	100.0

Coefficient of Utilization



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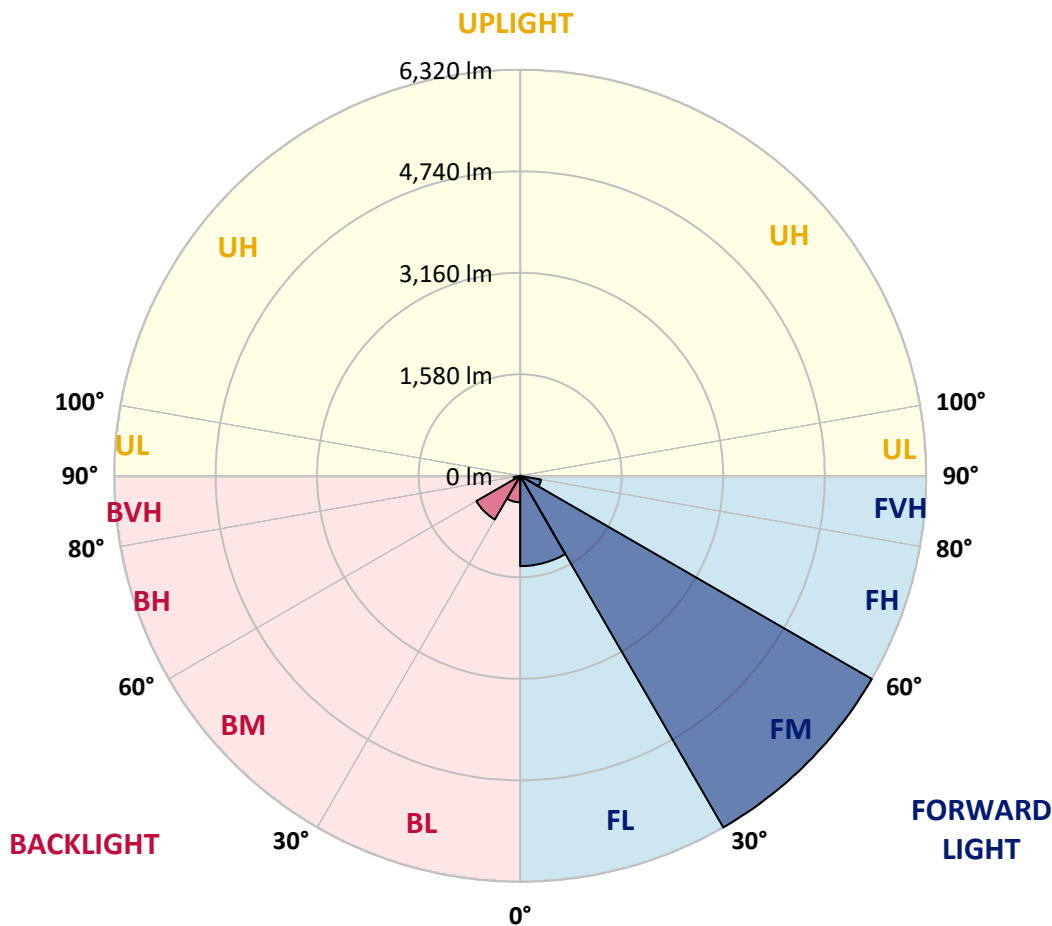
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1405.6	15.0			
FM	(30°-60°)	6319.9	67.4			
FH	(60°-80°)	329.6	3.5			G0/660
FVH	(80°-90°)	6.3	0.1			G0/10
BL	(0°-30°)	411.8	4.4	B1/500		
BM	(30°-60°)	786.2	8.4	B1/1000		
BH	(60°-80°)	103.4	1.1	B0/110		G0/110
BVH	(80°-90°)	7.3	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 I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	970.5	970.5	970.5	970.5	970.5	970.5	970.5	970.5	970.5	970.5	970.5
2.5°	1271.0	1261.7	1241.7	1204.7	1189.3	1152.3	1130.8	1089.2	1063.0	1033.7	1001.4
5°	1790.1	1742.4	1713.1	1671.5	1549.8	1474.3	1349.5	1243.2	1193.9	1140.0	1066.1
7.5°	2326.2	2295.4	2255.4	2166.0	2082.8	1925.7	1711.6	1477.4	1377.3	1284.8	1138.5
10°	2769.9	2683.6	2679.0	2612.8	2521.9	2333.9	2076.7	1785.5	1606.8	1471.2	1241.7
12.5°	3079.6	3001.0	3036.4	3028.7	2944.0	2771.5	2474.1	2089.0	1902.6	1691.5	1348.0
15°	3361.5	3329.1	3318.3	3309.1	3275.2	3147.3	2880.8	2458.7	2189.1	1934.9	1468.1
17.5°	3637.2	3554.1	3594.1	3601.8	3598.7	3483.2	3233.6	2810.0	2492.6	2192.2	1594.5
20°	3882.2	3889.9	3836.0	3825.2	3815.9	3811.3	3567.9	3158.1	2865.4	2461.8	1759.3
22.5°	4196.5	4142.5	4190.3	4159.5	4099.4	4062.4	3876.0	3466.2	3188.9	2786.9	1927.2
25°	4567.7	4610.9	4498.4	4486.1	4419.8	4292.0	4124.1	3811.3	3500.1	3088.8	2109.0
27.5°	5025.3	4949.8	4920.5	4852.7	4732.6	4678.7	4481.5	4167.2	3876.0	3406.2	2284.6
30°	5418.1	5398.1	5251.7	5171.6	5066.9	5065.3	4789.6	4649.4	4365.9	3903.8	2526.5
32.5°	5738.6	5650.7	5596.8	5541.4	5456.6	5479.7	5247.1	5173.2	4888.2	4365.9	2811.5
35°	5952.7	5889.5	5857.2	5772.4	5747.8	5851.0	5754.0	5723.1	5489.0	5016.0	3145.8
37.5°	6020.5	6040.5	6034.3	5928.0	5980.4	6259.3	6384.0	6303.9	6180.7	5701.6	3507.8
40°	6080.6	6094.4	6063.6	6188.4	6337.8	6655.2	7106.6	6974.1	6927.9	6396.4	4011.6
42.5°	6114.4	6103.7	6103.7	6319.3	6545.8	7183.6	7804.4	7716.6	7681.2	7135.8	4593.9
45°	5968.1	5863.3	5975.8	6268.5	6724.5	7443.9	8362.1	8483.8	8433.0	8015.5	5274.8
47.5°	5421.2	5485.9	5549.1	5940.4	6507.3	7363.8	8704.1	9118.5	9212.5	8755.0	5721.6
50°	4593.9	4580.1	4711.0	5204.0	5892.6	7018.8	8637.9	9301.9	9472.9	8976.8	5815.6
52.5°	3341.5	3443.1	3584.9	4074.8	4891.3	6125.2	7782.9	8828.9	9056.9	8704.1	5754.0
55°	1945.7	1833.3	2152.2	2566.6	3336.8	4620.1	6579.7	7826.0	8248.1	8208.1	5442.8
57.5°	779.5	754.9	864.2	1164.7	1740.8	2863.9	4785.0	6430.3	7106.6	7517.9	4783.4
60°	342.0	334.3	392.8	474.5	711.7	1320.3	2617.4	3999.3	4704.8	5253.3	3292.2
62.5°	246.5	243.4	272.7	301.9	375.9	574.6	1100.0	1611.4	2008.9	2426.4	1474.3
65°	198.7	206.4	226.5	241.9	277.3	318.9	388.2	448.3	550.0	570.0	325.1
67.5°	161.8	167.9	186.4	203.4	209.5	172.5	178.7	157.1	157.1	140.2	112.5
70°	118.6	120.2	141.7	161.8	129.4	69.3	121.7	121.7	109.4	104.8	95.5
72.5°	87.8	89.4	106.3	100.1	50.8	43.1	89.4	98.6	89.4	84.7	77.0
75°	64.7	66.2	55.5	23.1	21.6	27.7	52.4	67.8	64.7	63.2	58.5
77.5°	12.3	9.2	7.7	10.8	15.4	23.1	33.9	41.6	43.1	46.2	43.1
80°	1.5	1.5	4.6	9.2	16.9	24.6	35.4	40.1	41.6	43.1	40.1
82.5°	0.0	1.5	4.6	9.2	16.9	23.1	30.8	35.4	38.5	40.1	38.5
85°	0.0	1.5	3.1	7.7	13.9	16.9	15.4	10.8	9.2	10.8	7.7
87.5°	0.0	0.0	1.5	1.5	3.1	3.1	3.1	3.1	3.1	3.1	3.1
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°	970.5	970.5	970.5	970.5	970.5	970.5	970.5	970.5	970.5	970.5	970.5
2.5°	982.9	976.7	955.1	932.0	912.0	921.2	912.0	904.3	907.4	904.3	901.2
5°	1036.8	1009.1	962.8	942.8	925.9	924.3	919.7	918.2	919.7	919.7	905.8
7.5°	1087.6	1043.0	993.7	972.1	952.1	953.6	942.8	942.8	941.3	933.6	930.5
10°	1164.7	1104.6	1041.4	1002.9	978.3	973.6	962.8	952.1	952.1	952.1	936.7
12.5°	1249.4	1173.9	1087.6	1043.0	1013.7	990.6	973.6	970.5	953.6	950.5	942.8
15°	1323.3	1227.8	1118.4	1056.8	1019.8	989.0	962.8	945.9	938.2	933.6	927.4
17.5°	1395.7	1274.0	1135.4	1056.8	1016.8	981.3	953.6	938.2	919.7	922.8	910.5
20°	1492.8	1323.3	1140.0	1036.8	987.5	953.6	916.6	908.9	898.1	888.9	892.0
22.5°	1586.8	1358.8	1126.1	1012.1	941.3	901.2	882.7	873.5	868.9	861.2	850.4
25°	1671.5	1397.3	1104.6	967.5	892.0	862.7	845.8	844.2	833.4	833.4	813.4
27.5°	1757.8	1411.1	1067.6	915.1	848.8	831.9	824.2	821.1	816.5	805.7	791.8
30°	1856.4	1415.8	1013.7	861.2	810.3	791.8	802.6	810.3	790.3	770.3	776.4
32.5°	1938.0	1405.0	949.0	810.3	782.6	773.4	794.9	802.6	779.5	758.0	747.2
35°	2036.6	1378.8	885.8	770.3	754.9	773.4	791.8	791.8	745.6	719.4	713.3
37.5°	2186.0	1349.5	827.3	736.4	725.6	764.1	788.8	771.8	699.4	667.1	659.4
40°	2346.3	1331.0	770.3	702.5	710.2	748.7	762.6	710.2	636.2	616.2	610.1
42.5°	2578.9	1294.1	719.4	673.2	696.3	727.1	727.1	633.2	605.4	594.7	593.1
45°	2868.5	1267.9	674.8	648.6	676.3	684.0	659.4	593.1	573.1	570.0	571.5
47.5°	3010.2	1217.0	628.5	619.3	639.3	640.9	576.2	560.8	543.8	539.2	536.1
50°	2988.7	1126.1	568.5	580.8	608.5	593.1	525.3	528.4	513.0	511.5	503.8
52.5°	2837.7	982.9	508.4	537.7	568.5	523.8	483.7	480.7	480.7	460.6	452.9
55°	2515.7	791.8	436.0	472.9	509.9	440.6	429.8	426.7	419.0	400.5	395.9
57.5°	1991.9	580.8	328.1	368.2	432.9	374.4	372.8	358.9	338.9	325.1	325.1
60°	1184.7	334.3	206.4	224.9	286.5	303.5	337.4	331.2	297.3	275.8	269.6
62.5°	540.7	172.5	130.9	134.0	154.1	197.2	265.0	306.6	258.8	221.8	218.8
65°	181.8	127.9	107.8	103.2	106.3	118.6	158.7	217.2	206.4	171.0	164.8
67.5°	110.9	114.0	101.7	94.0	94.0	92.4	90.9	98.6	121.7	118.6	120.2
70°	95.5	104.8	94.0	84.7	81.6	77.0	64.7	53.9	46.2	53.9	57.0
72.5°	77.0	83.2	80.1	72.4	64.7	58.5	46.2	35.4	26.2	23.1	23.1
75°	57.0	61.6	64.7	55.5	49.3	41.6	33.9	23.1	13.9	9.2	9.2
77.5°	41.6	46.2	47.8	43.1	37.0	29.3	21.6	15.4	7.7	3.1	3.1
80°	35.4	41.6	46.2	43.1	38.5	27.7	20.0	10.8	6.2	1.5	1.5
82.5°	33.9	41.6	46.2	41.6	37.0	26.2	20.0	12.3	4.6	1.5	1.5
85°	7.7	10.8	13.9	16.9	20.0	20.0	15.4	9.2	4.6	1.5	1.5
87.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	1.5	1.5	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)