

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: P534291

Luminaire Tested: **GLAN-SA9D-735-U-SL3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P534291
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-19)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA9D-735-U-SL3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38205 lumens
Efficiency: N/A
Efficacy: 69.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

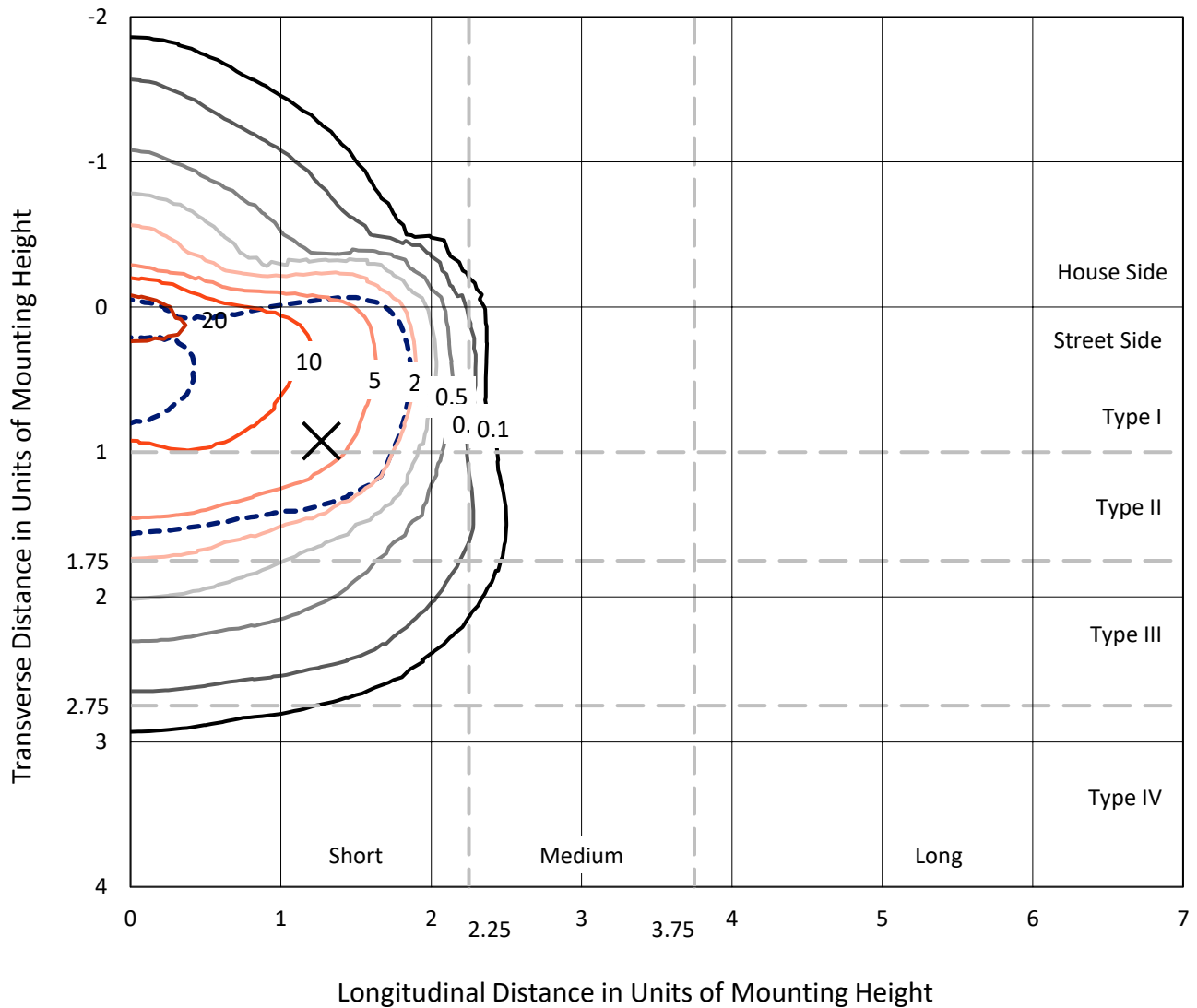
Input Watts (W): 552
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

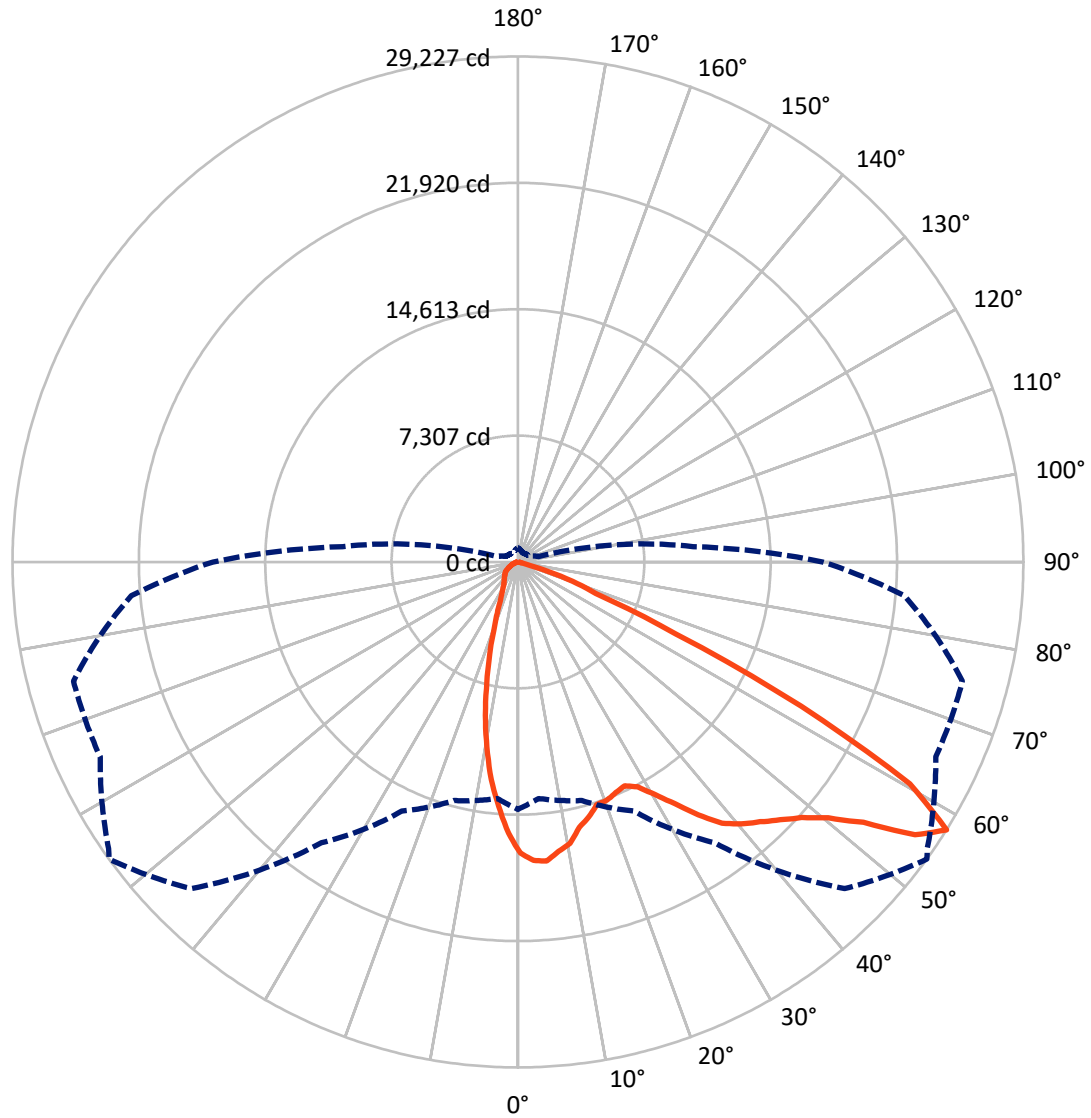
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 26.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5399.0	0.0	5399.0
	% Fixture	14.1	0.0	14.1
Street Side	Lumens	32806.0	0.0	32806.0
	% Fixture	85.9	0.0	85.9
Total	Lumens	38205.0	0.0	38205.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1408.4	3.7
10°-20°	3006.8	7.9
20°-30°	3984.6	10.4
30°-40°	5790.8	15.2
40°-50°	8586.9	22.5
50°-60°	10737.6	28.1
60°-70°	4235.5	11.1
70°-80°	421.7	1.1
80°-90°	32.8	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°	38205.0	100.0
0°-180°	38205.0	100.0

Coefficient of Utilization



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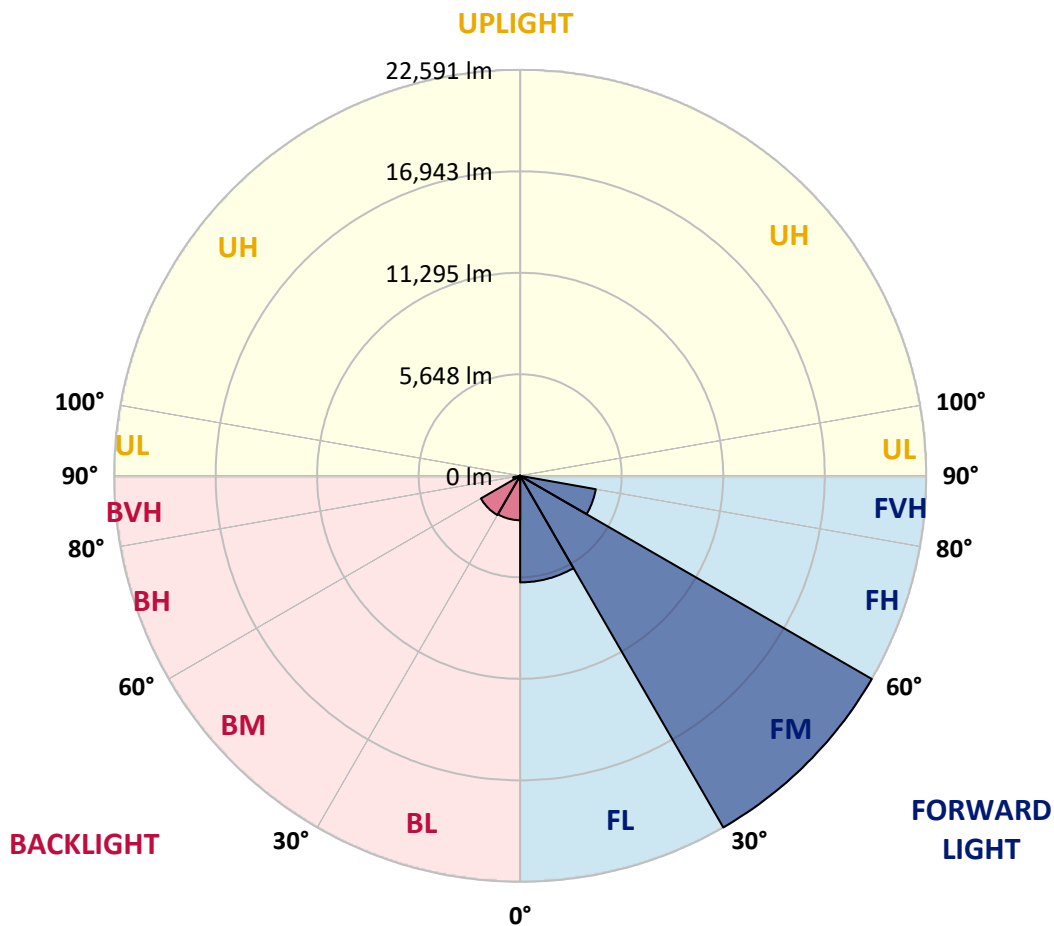
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5930.5	15.5			
FM (30°-60°)	22590.5	59.1			
FH (60°-80°)	4270.0	11.2			G2/5000
FVH (80°-90°)	14.9	0.0			G1/100
BL (0°-30°)	2469.2	6.5	B3/2500		
BM (30°-60°)	2524.7	6.6	B3/5000		
BH (60°-80°)	387.2	1.0	B1/500		G1/500
BVH (80°-90°)	17.9	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	16829.8	16829.8	16829.8	16829.8	16829.8	16829.8	16829.8	16829.8	16829.8	16829.8	16829.8
2.5°	17810.2	17625.5	17639.7	17575.8	17490.5	17554.4	17277.4	17341.3	17334.2	16957.7	16709.0
5°	17362.6	17561.5	17355.5	17526.0	17362.6	17540.2	17369.7	17241.9	17035.8	16758.8	16297.0
7.5°	16602.5	16410.7	16467.5	16680.6	16716.1	17114.0	16900.9	17064.3	16979.0	16432.0	15799.7
10°	15075.1	15032.5	15316.6	15600.8	15948.9	16375.1	16538.5	16446.2	16382.3	16176.2	15330.8
12.5°	13902.9	14023.7	14016.6	14485.4	15075.1	15316.6	15742.9	15728.7	16083.9	15700.3	14890.4
15°	12787.5	12851.5	13149.8	13441.1	14094.7	14783.8	15309.5	15380.6	15806.8	15536.9	14549.4
17.5°	12105.5	12013.2	12247.6	12595.7	13263.5	14165.7	14748.3	14918.8	15501.3	15444.5	14158.6
20°	11430.6	11430.6	11622.4	12034.5	12645.5	13661.3	14698.6	14648.8	15501.3	15337.9	13739.5
22.5°	11203.3	11317.0	11366.7	11679.3	12403.9	13277.7	14485.4	14577.8	15622.1	15288.2	13554.8
25°	11515.9	11366.7	11380.9	11629.6	12311.6	13093.0	14329.1	14535.2	15842.3	15536.9	13405.6
27.5°	11565.6	11714.8	11757.4	11927.9	12382.6	13149.8	14719.9	15139.0	16389.4	16119.4	13448.2
30°	11999.0	12148.2	12141.1	12432.3	12744.9	13611.6	15593.7	15678.9	17518.9	16851.1	13711.1
32.5°	12524.7	12681.0	12730.7	13071.7	13320.3	14457.0	16659.3	16879.5	18605.9	18002.0	14400.2
35°	13178.3	13121.4	13348.8	13689.8	14222.6	15693.1	17959.4	18328.8	19778.1	19493.9	15110.6
37.5°	13995.2	13924.2	14144.4	14698.6	15423.2	17156.6	19160.0	19401.5	20630.6	20879.2	16424.9
40°	14570.7	14599.1	15266.9	16012.8	16780.1	18549.0	19920.1	20154.6	21227.3	22172.2	17419.5
42.5°	15529.8	15707.4	16510.1	17419.5	18222.2	19593.3	20538.2	20765.5	21504.4	23209.4	18762.2
45°	16922.2	16844.0	17732.0	18747.9	19636.0	20680.3	21269.9	21191.8	21667.8	24239.5	19607.6
47.5°	18712.4	18726.6	19316.3	20183.0	21106.5	21625.1	22086.9	21809.9	22008.8	25326.4	20737.1
50°	19934.3	20040.9	20516.9	21404.9	21866.7	22662.4	23252.0	23081.5	23017.6	25980.0	21447.5
52.5°	20246.9	20566.6	20822.4	21930.6	23010.5	24267.9	25020.9	25383.3	24246.6	26200.2	22349.8
55°	17888.3	18172.5	19074.7	20595.0	23443.8	26811.2	27848.4	27855.5	25852.1	27180.6	22982.0
57.5°	14300.7	13725.3	14279.4	15892.1	19820.7	26704.6	29226.6	28892.7	26654.9	26605.2	22435.0
60°	9889.0	9746.9	9782.5	10421.8	13718.2	21241.5	26043.9	26477.3	24545.0	23060.2	17760.5
62.5°	7835.9	7715.1	7558.9	7487.8	8517.9	13235.1	18371.4	18982.4	17163.7	14954.3	10528.4
65°	6138.0	6067.0	6088.3	6372.5	6365.4	7509.1	10045.3	9796.7	7843.0	5797.0	3310.6
67.5°	4141.7	4248.3	4333.6	5193.2	5633.6	5228.7	4852.2	4710.1	2550.4	1072.7	731.7
70°	2330.2	2344.4	2436.7	3246.6	4276.7	4056.5	3346.1	3346.1	1271.6	390.7	419.1
72.5°	1271.6	1229.0	1143.8	1399.5	1903.9	1932.3	1491.9	1300.1	376.5	255.8	234.4
75°	618.1	611.0	525.7	433.4	412.0	341.0	262.9	241.5	170.5	163.4	142.1
77.5°	127.9	120.8	63.9	63.9	71.0	78.1	99.5	99.5	120.8	120.8	99.5
80°	0.0	0.0	7.1	28.4	49.7	71.0	85.3	85.3	99.5	99.5	78.1
82.5°	0.0	0.0	7.1	21.3	42.6	63.9	78.1	85.3	99.5	106.6	85.3
85°	0.0	0.0	0.0	14.2	35.5	49.7	42.6	42.6	35.5	28.4	14.2
87.5°	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	16829.8	16829.8	16829.8	16829.8	16829.8	16829.8	16829.8	16829.8	16829.8	16829.8	16829.8
2.5°	16581.2	16567.0	16240.2	16055.5	15721.6	15430.3	15195.9	15025.4	15025.4	14918.8	14819.3
5°	16112.3	15991.5	15295.3	14847.7	14215.5	13746.6	13426.9	13178.3	12787.5	12894.1	12475.0
7.5°	15529.8	15224.3	14300.7	13618.7	12744.9	12077.1	11395.1	10791.3	10208.7	9945.9	10087.9
10°	14904.6	14371.8	13128.5	12048.7	10961.8	9739.8	8944.2	7978.0	7381.2	7345.7	7189.4
12.5°	14243.9	13640.0	12126.8	10635.0	9207.0	7736.5	6521.6	5619.4	5214.5	4766.9	4852.2
15°	13746.6	12851.5	11011.5	9214.1	7317.3	5832.5	4610.6	3914.4	3530.8	3424.2	3388.7
17.5°	13206.7	12247.6	9874.8	7700.9	5740.2	4198.6	3317.7	2983.8	2834.6	2834.6	2813.3
20°	12645.5	11565.6	8745.3	6294.3	4305.1	3132.9	2657.0	2550.4	2543.3	2536.2	2536.2
22.5°	12276.0	10784.2	7722.3	5001.3	3246.6	2507.8	2308.9	2266.2	2294.7	2379.9	2379.9
25°	11885.3	10031.1	6592.7	3857.6	2514.9	2152.6	2038.9	2067.3	2138.4	2216.5	2188.1
27.5°	11487.5	9540.9	5527.1	3026.4	2060.2	1882.6	1840.0	1903.9	1982.1	2053.1	2031.8
30°	11395.1	9015.2	4518.3	2294.7	1768.9	1641.1	1669.5	1726.3	1804.5	1832.9	1861.3
32.5°	11537.2	8603.2	3701.3	1882.6	1541.6	1506.1	1506.1	1534.5	1584.2	1648.2	1626.9
35°	11942.1	8368.7	2926.9	1634.0	1413.7	1378.2	1371.1	1399.5	1427.9	1449.3	1427.9
37.5°	12560.2	8184.0	2394.1	1449.3	1328.5	1271.6	1257.4	1250.3	1278.8	1285.9	1300.1
40°	13348.8	8283.5	2031.8	1335.6	1243.2	1179.3	1136.7	1136.7	1136.7	1158.0	1165.1
42.5°	14201.3	8418.5	1754.7	1271.6	1165.1	1086.9	1044.3	1030.1	1044.3	1072.7	1065.6
45°	15096.4	8681.3	1577.1	1172.2	1094.0	994.6	937.8	923.5	959.1	1015.9	1008.8
47.5°	15934.7	9057.8	1442.1	1108.3	1023.0	930.6	859.6	845.4	909.3	987.5	994.6
50°	16773.0	9711.4	1392.4	1058.5	973.3	866.7	802.8	788.6	859.6	959.1	980.4
52.5°	17739.2	10414.7	1356.9	994.6	916.4	817.0	745.9	731.7	809.9	937.8	944.9
55°	18371.4	11011.5	1328.5	880.9	809.9	738.8	682.0	674.9	760.1	873.8	902.2
57.5°	17632.6	10180.3	1229.0	767.3	689.1	653.6	603.9	603.9	674.9	781.5	802.8
60°	13370.1	6699.2	873.8	618.1	582.5	561.2	539.9	539.9	596.8	674.9	682.0
62.5°	7828.8	3608.9	561.2	497.3	497.3	476.0	440.5	440.5	497.3	539.9	547.0
65°	2323.1	1158.0	454.7	426.3	419.1	383.6	348.1	341.0	383.6	404.9	397.8
67.5°	667.8	532.8	376.5	355.2	348.1	291.3	270.0	262.9	270.0	255.8	248.6
70°	397.8	362.3	291.3	298.4	262.9	213.1	191.8	184.7	170.5	149.2	135.0
72.5°	220.2	220.2	213.1	227.3	184.7	142.1	120.8	99.5	78.1	63.9	56.8
75°	135.0	142.1	149.2	156.3	120.8	92.4	78.1	49.7	28.4	14.2	14.2
77.5°	92.4	99.5	106.6	113.7	99.5	85.3	63.9	35.5	7.1	0.0	0.0
80°	71.0	78.1	92.4	99.5	106.6	113.7	85.3	35.5	7.1	0.0	0.0
82.5°	78.1	85.3	106.6	99.5	99.5	99.5	78.1	35.5	7.1	0.0	0.0
85°	14.2	21.3	35.5	35.5	49.7	63.9	49.7	14.2	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	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)