

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: P323854

Luminaire Tested: **GAN-SA0C-740-U-SL4-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323854
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-25)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0C-740-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 56820 lumens
Efficiency: N/A
Efficacy: 101.8 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

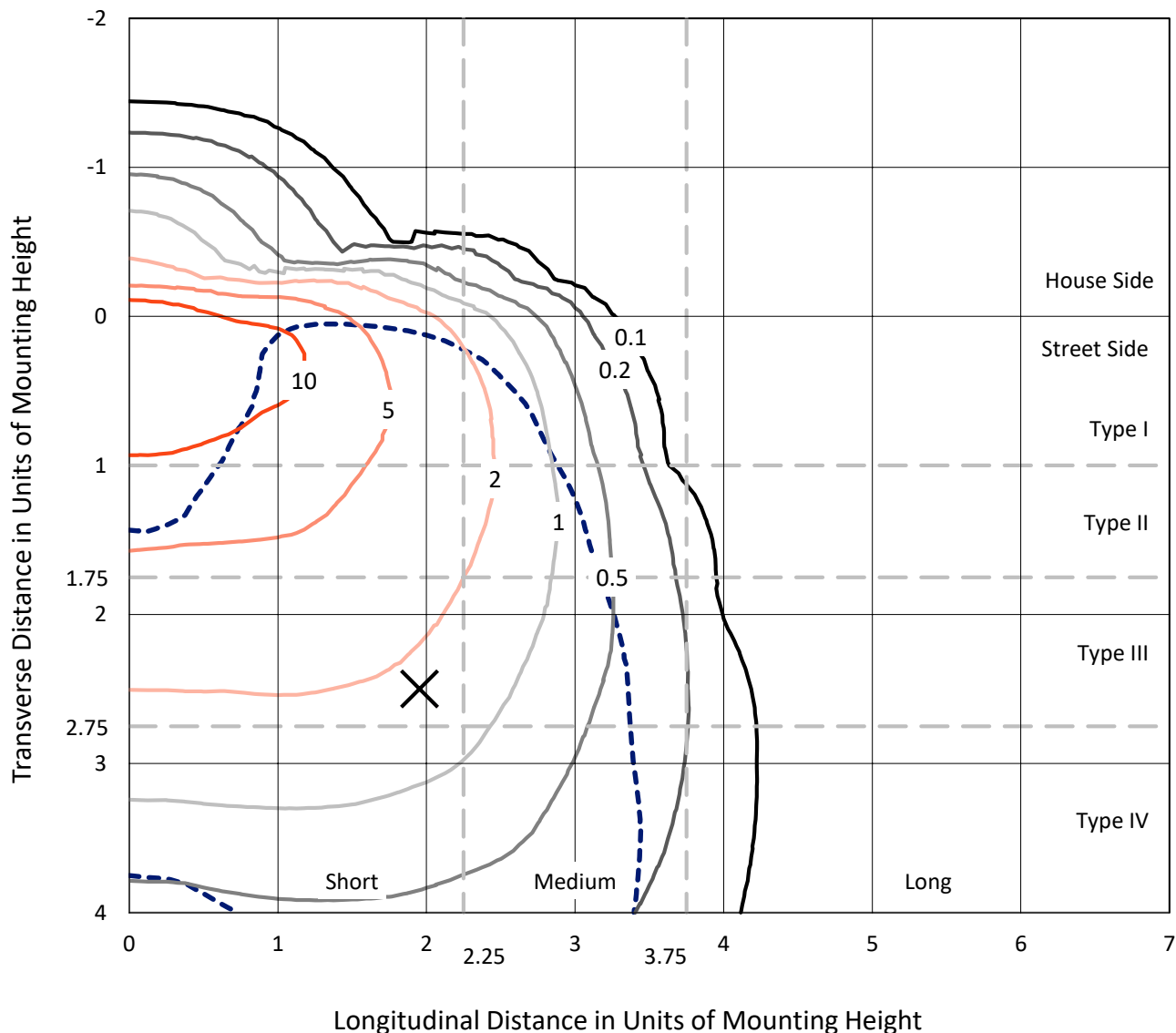
Input Watts (W): 558
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

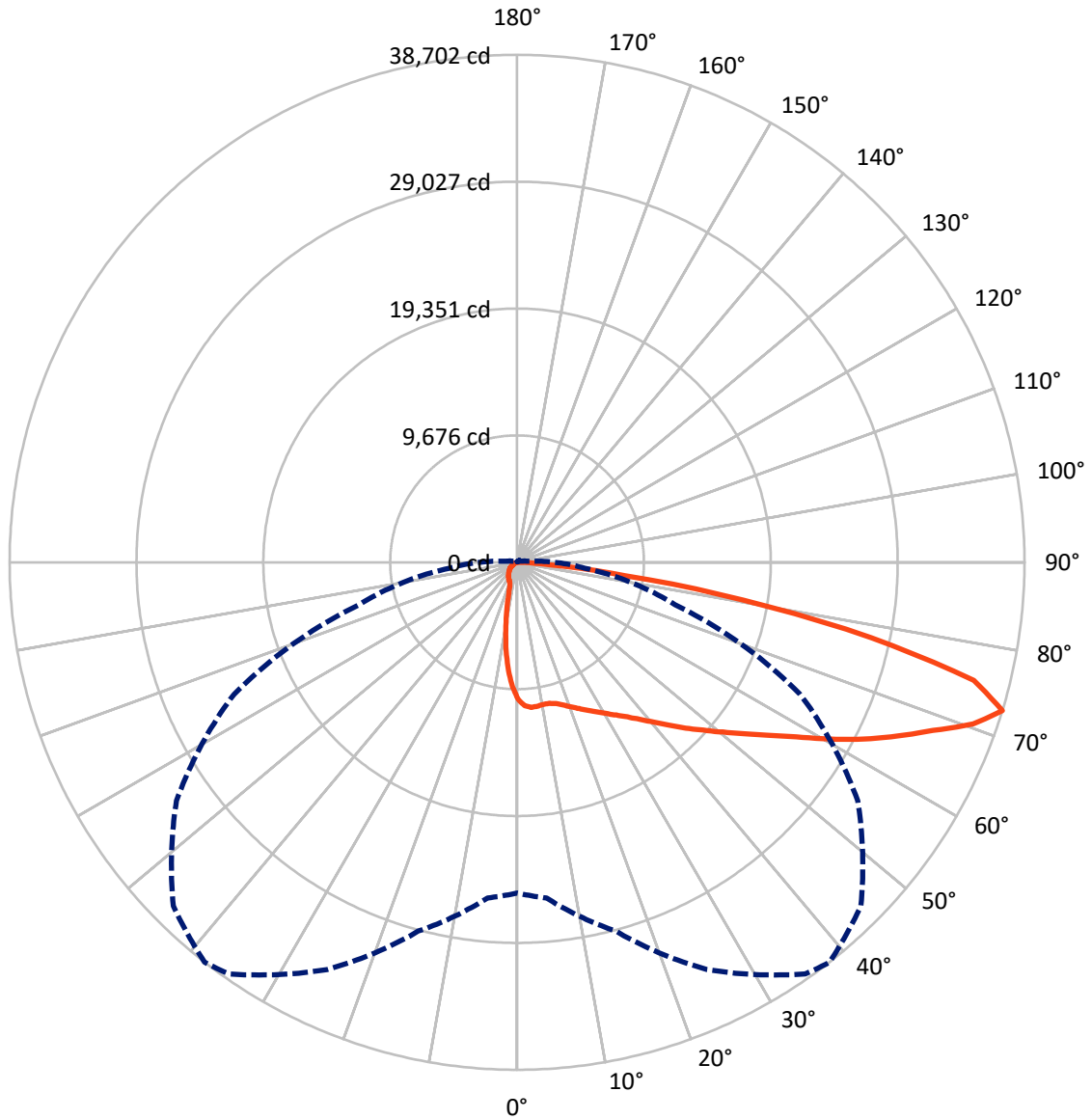
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4781.6	0.0	4781.6
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	52038.4	0.0	52038.4
	% Fixture	91.6	0.0	91.6
Total	Lumens	56820.0	0.0	56820.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	890.5	1.6
10°-20°	2177.4	3.8
20°-30°	3463.1	6.1
30°-40°	5206.3	9.2
40°-50°	7942.6	14.0
50°-60°	11225.6	19.8
60°-70°	14080.7	24.8
70°-80°	10528.4	18.5
80°-90°	1305.5	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°	56820.0	100.0
0°-180°	56820.0	100.0

Coefficient of Utilization

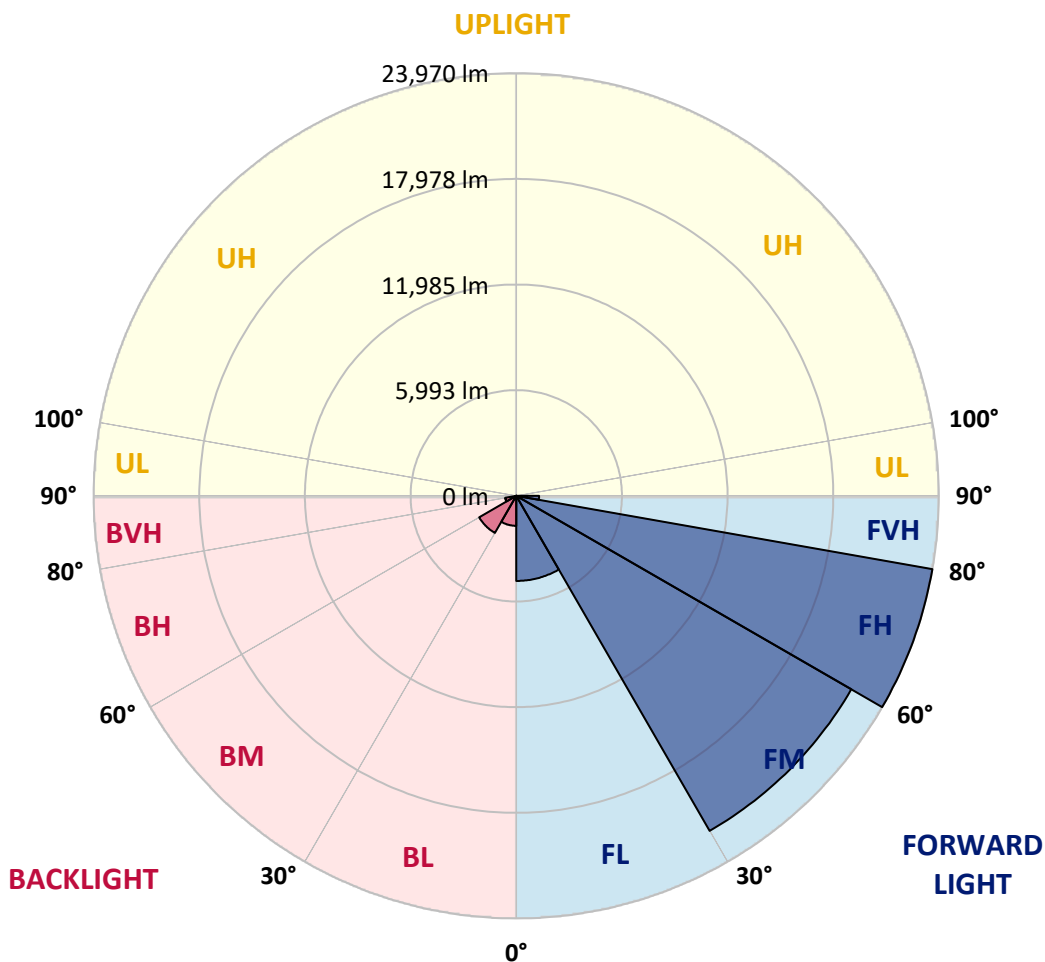


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4828.3	8.5			
FM (30°-60°)	21946.4	38.6			
FH (60°-80°)	23970.3	42.2			G5
FVH (80°-90°)	1293.3	2.3			G5
BL (0°-30°)	1702.6	3.0	B3/2500		
BM (30°-60°)	2428.2	4.3	B2/2500		
BH (60°-80°)	638.7	1.1	B2/1000		G2/1000
BVH (80°-90°)	12.2	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-G5
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	10449.0	10449.0	10449.0	10449.0	10449.0	10449.0	10449.0	10449.0	10449.0	10449.0	10449.0
2.5°	11090.9	11093.2	11067.3	11024.8	10970.5	10942.2	10895.0	10819.5	10739.3	10595.3	10439.6
5°	11317.4	11317.4	11284.4	11227.7	11140.4	11114.5	11024.8	10904.4	10739.3	10505.6	10243.7
7.5°	11293.8	11298.5	11253.7	11194.7	11107.4	11083.8	10975.2	10840.7	10635.4	10352.3	10017.2
10°	11171.1	11182.9	11147.5	11119.2	11039.0	11013.0	10911.5	10777.0	10571.7	10269.7	9885.0
12.5°	11046.0	11057.8	11069.6	11095.6	11046.0	11036.6	10956.4	10843.1	10647.2	10333.4	9899.2
15°	10965.8	10989.4	11074.3	11175.8	11187.6	11178.2	11126.3	11020.1	10821.9	10496.2	10000.7
17.5°	10965.8	11003.6	11180.5	11374.0	11442.5	11449.5	11404.7	11256.0	11020.1	10670.8	10095.0
20°	11057.8	11109.7	11385.8	11659.6	11772.8	11772.8	11685.5	11477.9	11201.8	10828.9	10158.8
22.5°	11293.8	11362.2	11709.1	12025.3	12145.7	12119.7	12001.7	11699.7	11390.6	11008.3	10239.0
25°	11758.7	11810.6	12171.6	12490.2	12563.4	12504.4	12355.7	11968.7	11631.2	11251.3	10385.3
27.5°	12358.1	12365.1	12738.0	13007.0	12962.2	12922.0	12735.6	12306.1	11978.1	11598.2	10637.8
30°	13016.4	13016.4	13344.4	13549.7	13412.9	13379.8	13193.4	12714.4	12421.8	12070.2	10996.5
32.5°	13653.6	13681.9	13948.5	14078.3	13924.9	13891.9	13710.2	13231.2	13011.7	12789.9	11555.7
35°	14269.5	14290.7	14543.2	14614.0	14467.7	14477.1	14347.3	13941.5	13858.9	13830.5	12398.2
37.5°	14866.5	14871.2	15128.4	15173.2	15100.1	15180.3	15192.1	14833.4	14986.8	15215.7	13585.1
40°	15411.6	15416.3	15671.2	15786.8	15911.9	16015.7	16107.7	15916.6	16423.9	16954.9	14998.6
42.5°	15848.1	15897.7	16221.0	16440.4	16770.8	16969.0	17219.2	17209.7	18134.7	18932.3	16707.1
45°	16232.8	16317.7	16768.4	17153.1	17719.4	18035.6	18427.4	18734.1	20060.3	21134.0	18436.8
47.5°	16740.1	16820.4	17334.8	17964.8	18720.0	19135.3	19784.2	20447.3	22177.0	23295.5	20126.4
50°	17455.1	17419.7	17927.1	18830.9	19800.7	20345.8	21270.9	22264.3	24277.2	25178.6	21119.8
52.5°	18217.3	18203.2	18578.4	19772.4	21075.0	21712.1	22934.5	24142.7	26285.4	26476.5	21575.3
55°	19161.2	19059.8	19376.0	20846.1	22587.6	23271.9	24711.4	26002.2	27885.3	27208.0	21804.2
57.5°	20150.0	19982.4	20284.5	22042.5	24293.7	25103.1	26679.4	27814.5	28949.5	27708.3	21801.8
60°	21171.8	20973.5	21332.2	23538.6	26412.8	27349.6	28812.7	29039.2	29943.0	27960.8	21641.3
62.5°	22026.0	21908.0	22441.3	25138.5	28779.6	29699.9	30424.4	30153.0	30780.7	28156.6	21266.1
65°	22929.8	22936.9	23798.2	27005.1	31295.1	31915.7	31977.1	31597.2	31481.5	28116.5	19996.6
67.5°	24152.1	24265.4	25702.5	29539.5	33742.2	34221.2	34216.5	33161.7	31993.6	26521.3	17181.4
70°	25445.3	25711.9	27897.1	32439.6	36413.4	36899.5	36649.4	34157.5	30124.7	21445.5	12159.8
72.5°	25228.2	25690.7	29117.1	34268.4	38331.9	38702.4	37076.5	31710.4	23810.0	12464.2	5177.3
75°	19463.3	19999.0	26698.3	32456.1	36319.0	35986.3	31856.7	24676.0	13011.7	3478.3	1165.7
77.5°	10281.5	10567.0	17636.8	24725.5	28319.5	27623.3	22441.3	13689.0	3966.8	861.3	523.9
80°	5385.0	5451.0	7685.7	14028.8	17478.7	17483.5	13299.6	6012.7	1635.3	441.3	351.6
82.5°	2883.6	2940.3	4061.1	6482.3	9158.2	8301.6	5092.4	3308.4	951.0	250.1	337.4
85°	693.8	705.6	2303.1	2961.5	3601.0	2572.1	1512.6	2777.4	257.2	146.3	273.7
87.5°	266.7	271.4	854.2	1281.3	917.9	594.7	707.9	1035.9	33.0	56.6	42.5
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°	10449.0	10449.0	10449.0	10449.0	10449.0	10449.0	10449.0	10449.0	10449.0	10449.0	10449.0
2.5°	10345.2	10283.8	10132.8	9941.7	9771.8	9649.1	9465.0	9344.6	9264.4	9262.1	9231.4
5°	10083.2	9958.2	9632.5	9245.5	8893.9	8577.7	8204.9	7909.9	7690.5	7655.1	7579.5
7.5°	9802.4	9597.1	9096.9	8492.8	7902.8	7303.5	6607.3	6175.5	5805.0	5628.0	5609.1
10°	9630.2	9342.3	8632.0	7758.9	6833.9	5859.3	4948.4	4318.4	3862.9	3733.1	3636.4
12.5°	9594.8	9214.9	8273.3	7069.8	5748.4	4459.9	3452.3	2782.2	2418.8	2303.1	2272.4
15°	9630.2	9155.9	7971.3	6387.9	4648.7	3164.4	2317.3	1927.9	1791.1	1758.0	1755.7
17.5°	9651.4	9085.1	7629.1	5630.4	3582.1	2260.6	1774.5	1661.3	1640.0	1637.7	1642.4
20°	9649.1	8976.5	7220.9	4785.6	2664.2	1776.9	1604.6	1581.0	1576.3	1578.7	1576.3
22.5°	9632.5	8849.1	6772.5	3914.8	2012.9	1588.1	1531.5	1517.3	1515.0	1515.0	1515.0
25°	9663.2	8747.6	6279.3	3081.8	1658.9	1500.8	1465.4	1453.6	1451.3	1451.3	1446.5
27.5°	9774.1	8691.0	5738.9	2371.6	1498.4	1422.9	1394.6	1392.3	1385.2	1382.8	1387.5
30°	9953.5	8691.0	5146.6	1845.3	1401.7	1342.7	1321.5	1316.7	1314.4	1312.0	1314.4
32.5°	10269.7	8757.1	4500.1	1533.8	1309.7	1253.0	1238.9	1246.0	1238.9	1238.9	1238.9
35°	10840.7	8955.3	3822.8	1338.0	1212.9	1165.7	1151.6	1161.0	1156.3	1156.3	1153.9
37.5°	11673.7	9323.4	3140.8	1220.0	1128.0	1078.4	1059.5	1073.7	1069.0	1069.0	1066.6
40°	12688.4	9859.1	2491.9	1130.3	1045.4	993.5	976.9	984.0	972.2	972.2	976.9
42.5°	13941.5	10538.7	1925.6	1043.0	962.8	913.2	903.8	896.7	875.5	863.7	866.0
45°	15333.7	11246.6	1500.8	958.1	884.9	844.8	830.6	811.8	776.4	752.8	755.1
47.5°	16577.3	11791.7	1220.0	875.5	814.1	783.4	762.2	726.8	674.9	646.6	648.9
50°	17231.0	11874.3	1038.3	792.9	748.0	717.4	686.7	632.4	571.1	540.4	538.0
52.5°	17398.5	11487.3	903.8	717.4	682.0	646.6	606.5	533.3	464.9	431.8	427.1
55°	17459.9	10897.4	783.4	646.6	611.2	571.1	519.1	436.6	372.8	339.8	337.4
57.5°	17256.9	10017.2	689.0	582.9	540.4	490.8	427.1	349.2	287.9	261.9	261.9
60°	16806.2	8825.5	615.9	514.4	467.2	410.6	344.5	271.4	214.7	193.5	193.5
62.5°	15907.1	7282.2	547.5	443.6	398.8	339.8	278.5	205.3	151.0	139.2	141.6
65°	14210.5	5524.2	479.0	379.9	339.8	280.8	217.1	146.3	101.5	101.5	106.2
67.5°	11588.8	3837.0	408.2	323.3	292.6	228.9	165.2	101.5	70.8	80.2	89.7
70°	7671.6	2152.1	349.2	266.7	250.1	181.7	122.7	68.4	56.6	75.5	92.0
72.5°	2895.4	837.7	292.6	214.7	217.1	139.2	87.3	51.9	51.9	82.6	108.5
75°	807.0	410.6	210.0	158.1	169.9	101.5	63.7	44.8	49.6	94.4	127.4
77.5°	474.3	302.0	136.9	92.0	115.6	70.8	42.5	35.4	42.5	80.2	122.7
80°	382.3	160.5	80.2	47.2	63.7	40.1	28.3	21.2	11.8	30.7	63.7
82.5°	382.3	96.8	37.8	33.0	33.0	21.2	14.2	9.4	2.4	0.0	16.5
85°	257.2	40.1	23.6	21.2	16.5	7.1	4.7	2.4	0.0	0.0	0.0
87.5°	42.5	16.5	9.4	4.7	2.4	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)