

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: P322065

Luminaire Tested: **GAN-SA1A-830-U-T2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322065
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1A-830-U-T2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2758 lumens
Efficiency: N/A
Efficacy: 81.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 34
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



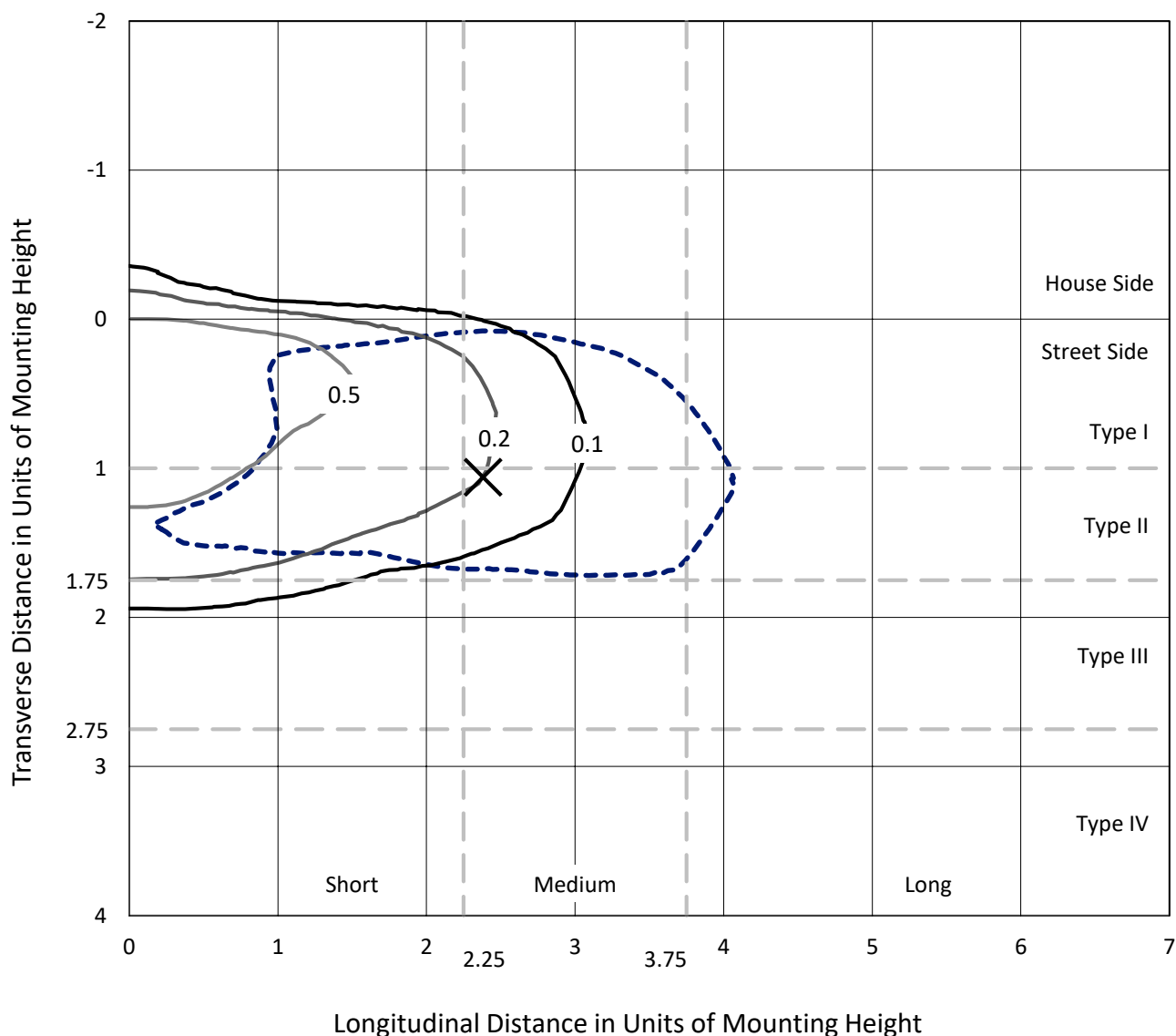
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

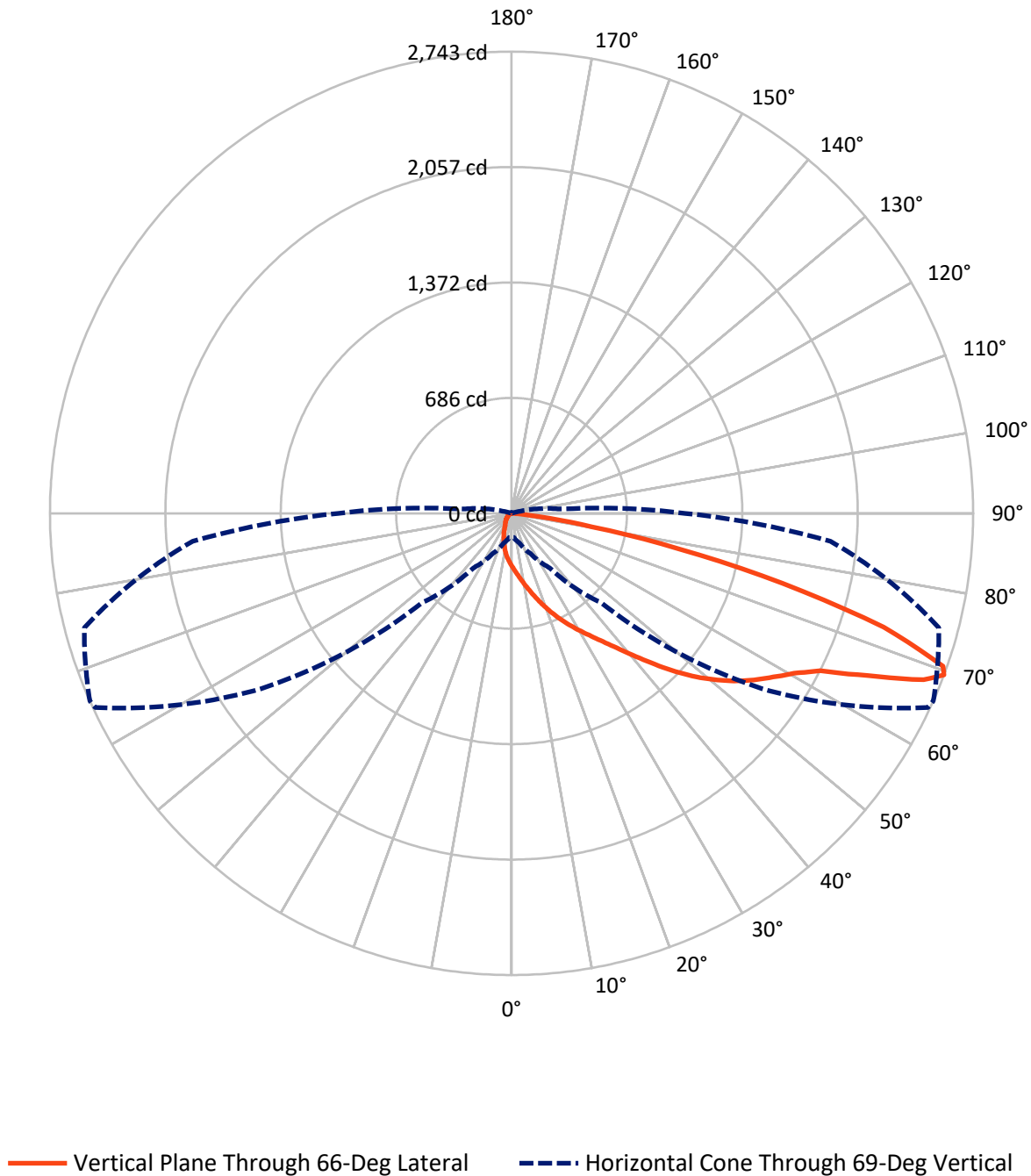
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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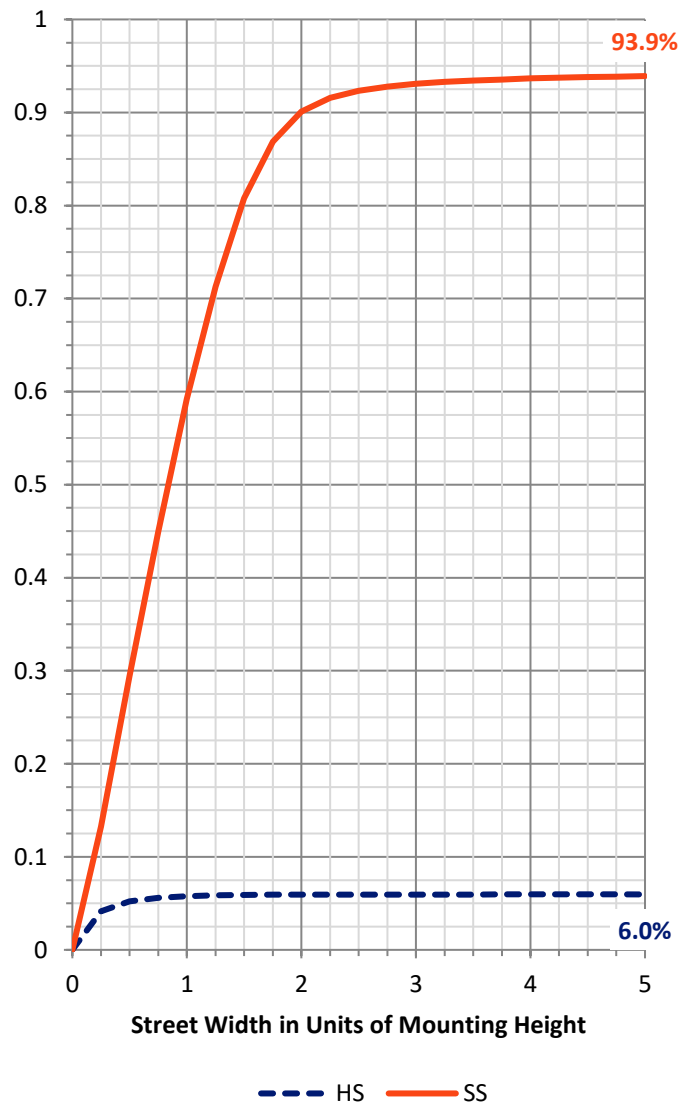
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	165.4	0.0	165.4
	% Fixture	6.0	0.0	6.0
Street Side	Lumens	2592.6	0.0	2592.6
	% Fixture	94.0	0.0	94.0
Total	Lumens	2758.0	0.0	2758.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.3	1.1
10°-20°	90.3	3.3
20°-30°	157.2	5.7
30°-40°	275.9	10.0
40°-50°	461.8	16.7
50°-60°	678.8	24.6
60°-70°	696.9	25.3
70°-80°	344.0	12.5
80°-90°	22.7	0.8
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°	2758.0	100.0
0°-180°	2758.0	100.0

Coefficient of Utilization



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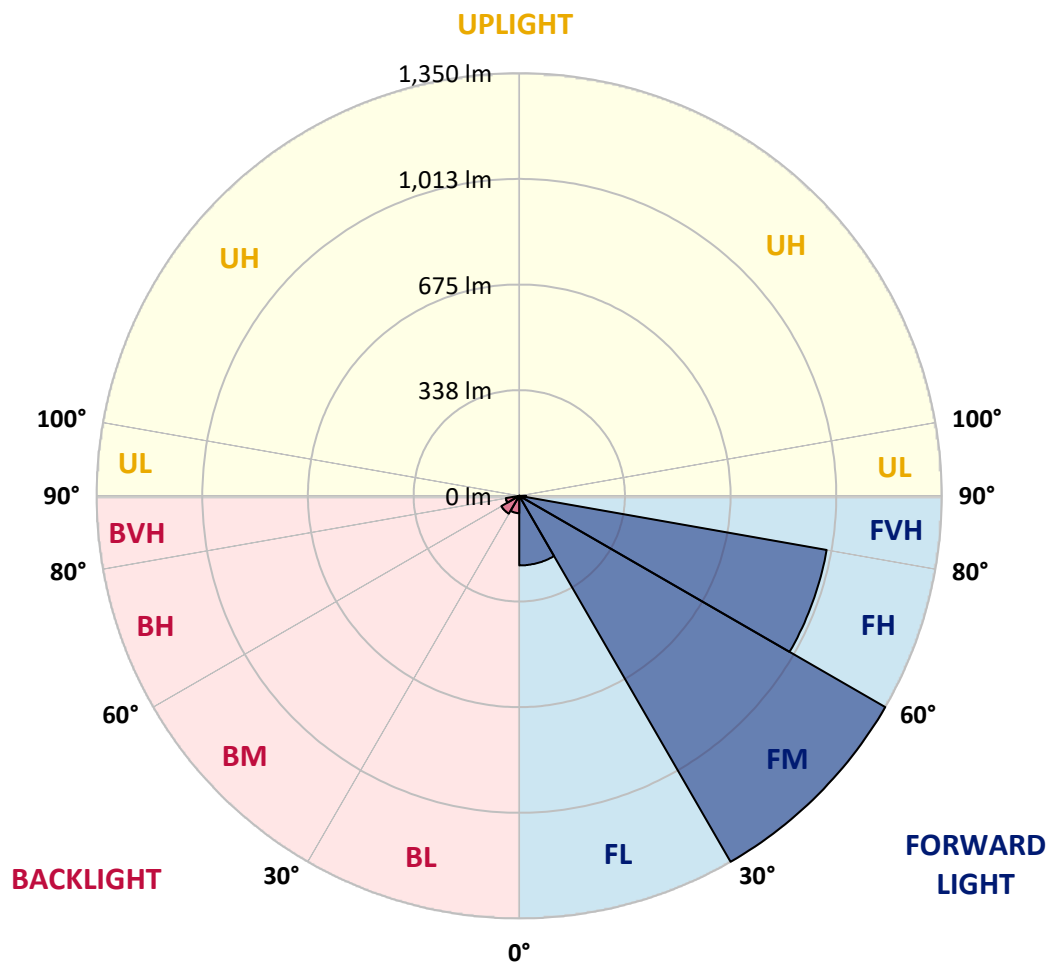
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	222.5	8.1			
FM	(30°-60°)	1350.5	49.0			
FH	(60°-80°)	997.4	36.2			G1/1800
FVH	(80°-90°)	22.2	0.8			G1/100
BL	(0°-30°)	55.3	2.0	B0/110		
BM	(30°-60°)	66.0	2.4	B0/220		
BH	(60°-80°)	43.6	1.6	B0/110		G0/110
BVH	(80°-90°)	0.6	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	313.9	313.9	313.9	313.9	313.9	313.9	313.9	313.9	313.9	313.9	313.9
2.5°	369.4	367.8	367.2	364.3	359.3	355.5	348.2	339.7	338.1	329.9	319.8
5°	417.4	416.0	415.1	411.1	406.0	396.4	383.0	367.2	364.2	348.5	328.3
7.5°	450.8	453.1	453.1	450.5	444.1	436.9	420.5	398.9	395.1	371.0	339.7
10°	470.3	473.2	475.4	477.6	476.7	473.8	458.4	434.0	429.4	397.4	352.9
12.5°	472.1	475.0	481.3	490.6	499.6	506.2	496.5	472.9	467.7	428.1	368.6
15°	461.9	464.9	474.6	492.7	514.6	533.7	536.8	516.0	510.6	464.6	388.3
17.5°	444.1	446.0	459.9	485.0	519.3	554.4	573.4	562.2	557.3	506.4	410.2
20°	430.8	432.3	444.5	471.3	516.4	567.3	608.0	611.4	606.1	551.2	433.9
22.5°	453.5	456.1	456.5	469.2	508.5	573.8	638.3	659.7	655.8	598.8	457.2
25°	515.5	518.5	508.5	500.7	515.2	576.6	664.4	709.2	706.1	650.0	480.6
27.5°	597.3	600.5	587.7	564.2	550.2	587.5	687.6	759.5	759.4	704.2	505.9
30°	677.8	680.9	667.8	644.4	612.1	618.3	707.6	812.2	813.0	760.2	532.8
32.5°	762.1	766.1	752.6	722.4	688.8	671.5	735.8	865.1	869.6	825.0	563.0
35°	858.0	858.6	839.6	808.0	769.2	742.6	781.0	924.4	935.1	905.3	601.4
37.5°	952.1	955.9	940.3	890.5	854.9	824.8	848.2	998.6	1013.7	1003.4	651.6
40°	1021.8	1029.8	1027.5	973.8	940.0	918.6	931.7	1086.8	1105.9	1117.7	714.9
42.5°	1065.5	1071.6	1081.8	1049.4	1018.8	1022.3	1030.2	1189.5	1213.0	1247.9	787.6
45°	1115.7	1118.6	1127.1	1112.8	1092.1	1127.8	1134.7	1305.1	1329.9	1387.9	868.2
47.5°	1177.0	1183.8	1186.2	1173.1	1163.6	1221.0	1235.4	1410.3	1445.0	1537.9	953.7
50°	1255.1	1256.9	1261.0	1252.5	1243.0	1301.2	1325.8	1520.7	1552.3	1688.4	1037.9
52.5°	1331.5	1338.0	1352.2	1346.8	1343.0	1369.4	1406.4	1620.3	1655.5	1813.9	1122.0
55°	1353.5	1359.1	1408.0	1441.4	1472.3	1453.5	1483.4	1709.5	1747.6	1926.1	1202.9
57.5°	1265.6	1277.0	1361.6	1448.6	1576.8	1584.3	1589.3	1801.1	1835.3	2012.0	1287.2
60°	1043.4	1045.6	1184.5	1333.7	1559.5	1698.4	1743.8	1899.5	1928.1	2092.0	1388.0
62.5°	663.6	686.3	838.6	1049.3	1376.6	1681.9	1930.8	2048.3	2058.8	2188.0	1532.7
65°	316.1	330.8	440.5	648.3	997.2	1470.6	2059.8	2317.5	2322.2	2378.4	1725.9
67.5°	175.0	182.1	234.4	349.0	582.9	1040.0	2007.7	2636.3	2640.8	2572.8	1895.4
69°	136.9	142.9	184.1	263.0	395.2	747.5	1816.8	2729.7	2743.0	2628.5	1901.4
70°	116.2	122.1	158.5	222.2	317.8	577.6	1617.2	2706.5	2720.5	2623.2	1856.5
72.5°	71.1	74.5	105.6	156.4	213.0	290.6	997.3	2288.9	2312.6	2406.3	1595.5
75°	47.9	49.8	66.0	107.9	152.3	149.6	518.1	1613.4	1664.7	1871.8	1178.5
77.5°	34.3	36.0	44.3	69.8	106.8	98.8	234.6	1002.7	1013.7	1122.6	642.7
80°	19.5	21.1	31.3	41.5	72.4	65.9	93.3	478.9	484.4	481.4	214.6
82.5°	10.2	11.5	17.2	27.4	46.5	43.1	38.8	160.3	161.1	134.0	47.0
85°	2.0	2.4	8.5	18.7	24.0	18.7	15.9	37.6	38.4	33.9	11.7
87.5°	0.0	0.1	3.4	4.2	4.7	4.8	5.1	7.3	7.9	10.6	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°	313.9	313.9	313.9	313.9	313.9	313.9	313.9	313.9	313.9	313.9	313.9
2.5°	315.3	310.6	301.6	291.1	283.0	275.0	268.7	262.1	259.8	258.6	258.5
5°	318.5	308.5	289.4	269.7	253.6	238.4	227.5	217.2	212.3	210.1	209.2
7.5°	323.7	307.7	276.9	246.9	223.7	204.7	189.7	178.4	172.8	170.4	169.5
10°	329.9	306.7	262.4	222.8	193.2	173.6	158.6	147.5	141.3	138.7	137.4
12.5°	337.1	304.8	245.6	198.5	167.2	147.5	129.4	115.7	108.6	105.6	104.1
15°	346.0	303.0	228.1	175.5	144.2	120.3	100.5	91.2	89.7	89.2	89.3
17.5°	354.7	300.1	208.9	152.9	120.1	93.9	83.8	83.3	83.6	83.6	83.6
20°	362.6	293.6	188.1	133.5	97.2	79.3	77.2	76.2	75.6	75.1	74.4
22.5°	368.8	284.8	168.1	114.2	79.4	72.6	69.3	66.4	64.1	62.5	61.7
25°	372.9	273.1	149.7	95.8	71.4	66.0	60.1	55.3	51.6	49.4	48.5
27.5°	376.1	260.6	133.4	80.2	65.9	58.4	50.7	44.9	41.1	39.2	38.4
30°	378.3	246.3	118.9	70.5	59.7	50.4	42.2	36.5	33.8	32.7	32.2
32.5°	380.4	230.4	105.3	65.9	54.0	43.1	35.4	31.0	29.3	28.0	27.6
35°	385.7	215.8	92.4	61.0	48.1	36.8	30.4	27.2	25.5	24.8	24.5
37.5°	398.1	204.9	79.9	56.1	42.2	31.8	26.6	24.4	22.8	22.0	21.7
40°	418.1	199.4	69.4	50.7	36.4	28.0	24.1	22.0	20.3	19.1	18.9
42.5°	447.6	200.2	62.1	45.3	31.8	25.0	21.7	19.3	17.4	16.4	16.1
45°	483.4	205.9	57.0	40.1	28.0	22.7	19.1	16.5	14.8	13.9	13.6
47.5°	522.2	215.2	52.8	35.4	25.0	20.4	16.5	13.8	12.3	11.5	11.4
50°	563.0	224.3	48.5	30.8	22.4	18.2	13.9	11.4	10.2	9.6	9.3
52.5°	604.4	234.7	44.5	26.6	20.2	15.6	11.5	9.3	8.4	7.9	7.6
55°	649.0	242.6	40.7	23.3	17.9	13.2	9.6	7.7	6.9	6.3	6.2
57.5°	701.4	254.8	36.8	20.2	15.3	11.0	7.9	6.2	5.5	4.8	4.7
60°	772.1	269.1	32.6	17.8	12.6	9.0	6.4	5.0	4.2	3.7	3.5
62.5°	865.4	284.9	27.4	15.6	10.2	7.3	5.1	3.9	3.0	2.4	2.4
65°	983.7	310.7	22.4	13.1	8.4	6.0	3.9	2.9	1.7	1.0	1.0
67.5°	1052.7	315.2	18.1	10.7	6.8	5.1	3.3	2.0	0.5	0.1	0.0
69°	1030.6	289.4	15.3	9.2	5.9	4.8	3.0	1.4	0.3	0.0	0.0
70°	988.9	264.6	13.5	8.1	5.4	4.6	2.9	1.0	0.3	0.0	0.0
72.5°	817.2	188.4	10.2	6.0	3.9	4.1	2.6	0.7	0.3	0.0	0.0
75°	595.3	114.5	7.3	4.2	2.5	3.0	1.8	0.3	0.1	0.0	0.0
77.5°	331.2	54.0	4.6	2.4	1.6	1.8	0.9	0.0	0.0	0.0	0.0
80°	107.5	14.7	2.1	1.3	0.9	1.0	0.4	0.0	0.0	0.0	0.0
82.5°	19.9	4.2	1.2	0.7	0.3	0.3	0.0	0.0	0.0	0.0	0.0
85°	4.3	1.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.4	0.5	0.1	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)