

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: P317495

Luminaire Tested: **GAN-SA1D-750-U-T2R**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317495
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1D-750-U-T2R
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8463 lumens
Efficiency: N/A
Efficacy: 126.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

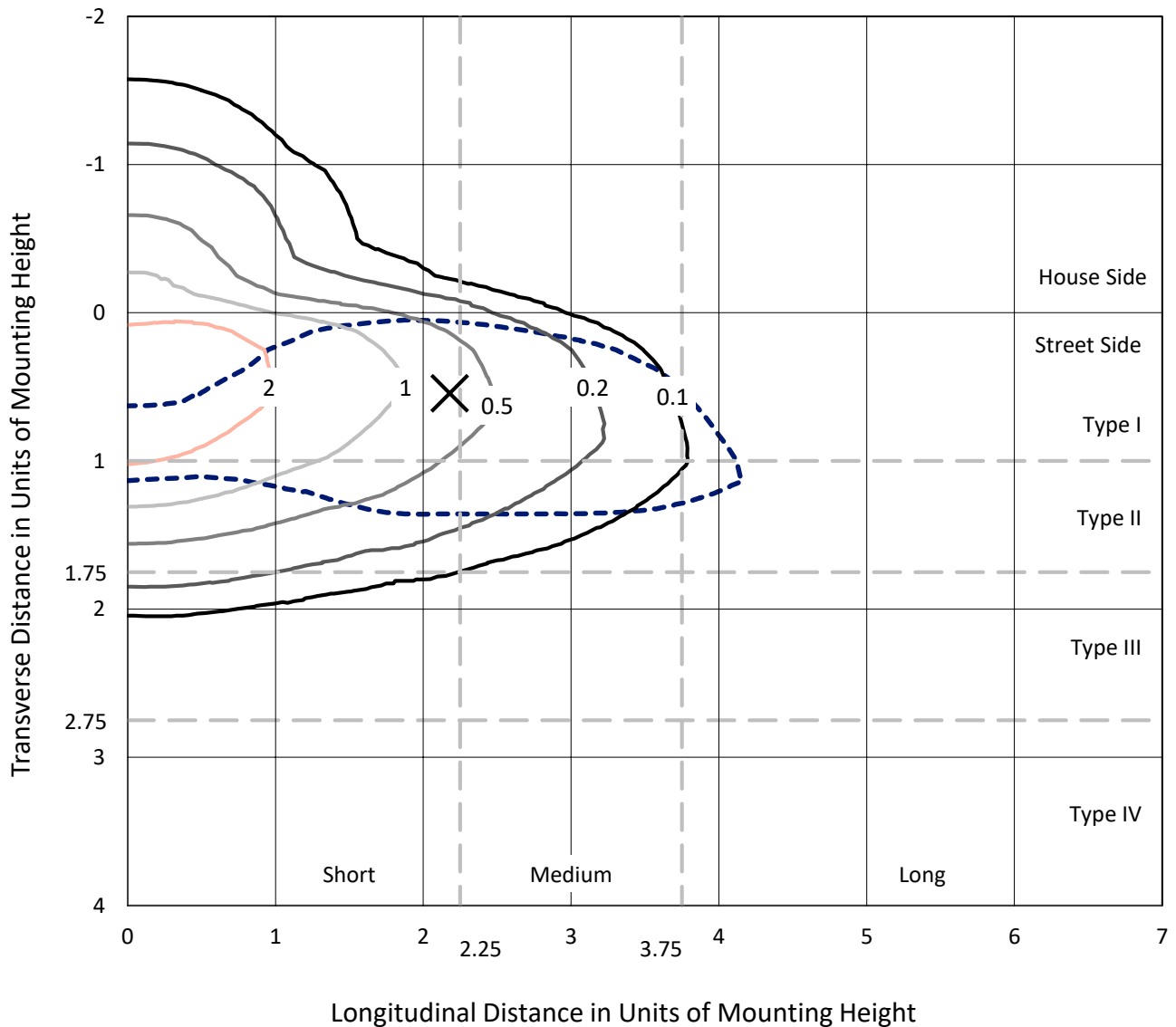
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

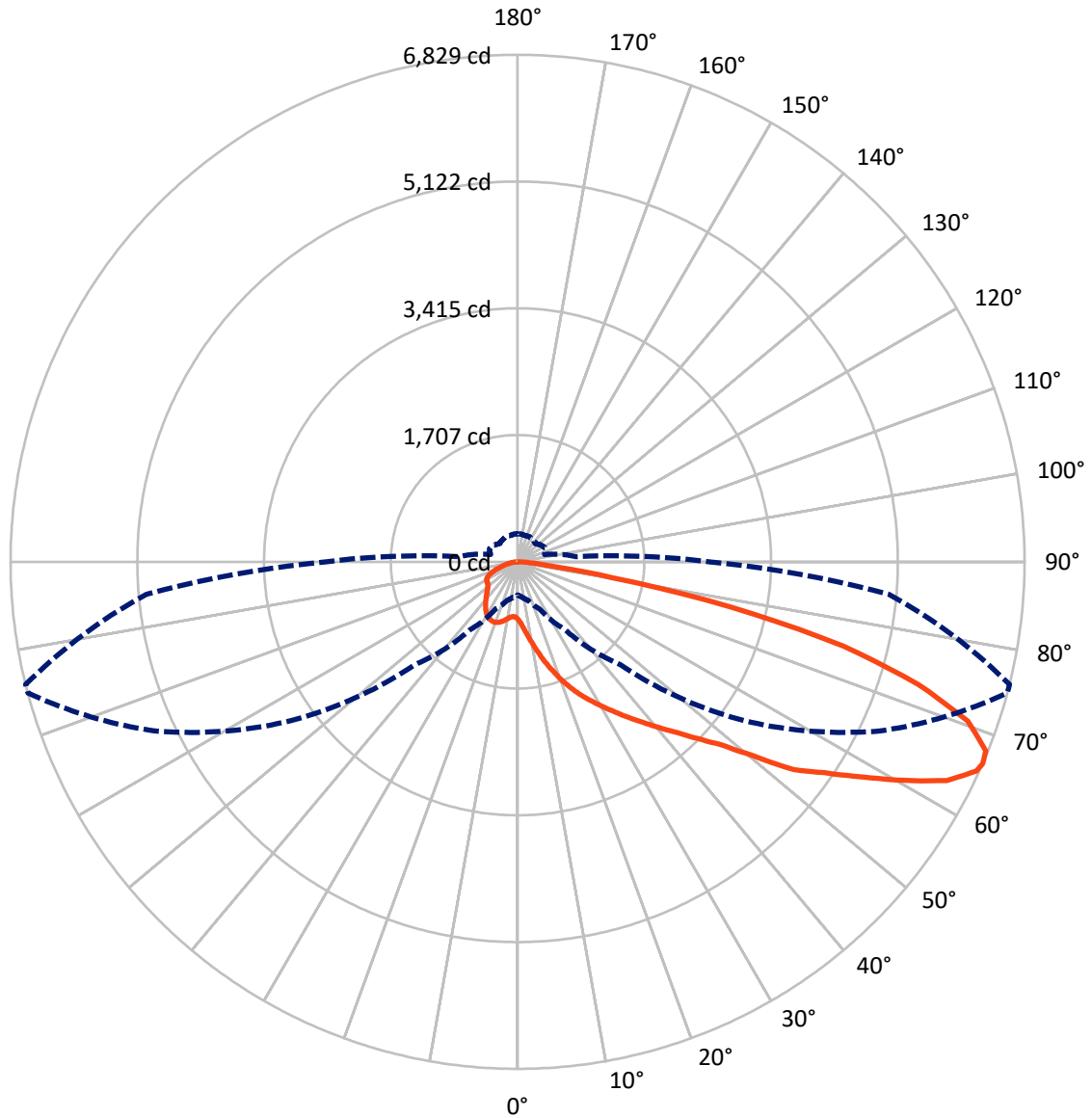
✕ Max cd
 - - - 1/2 Max cd



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 76-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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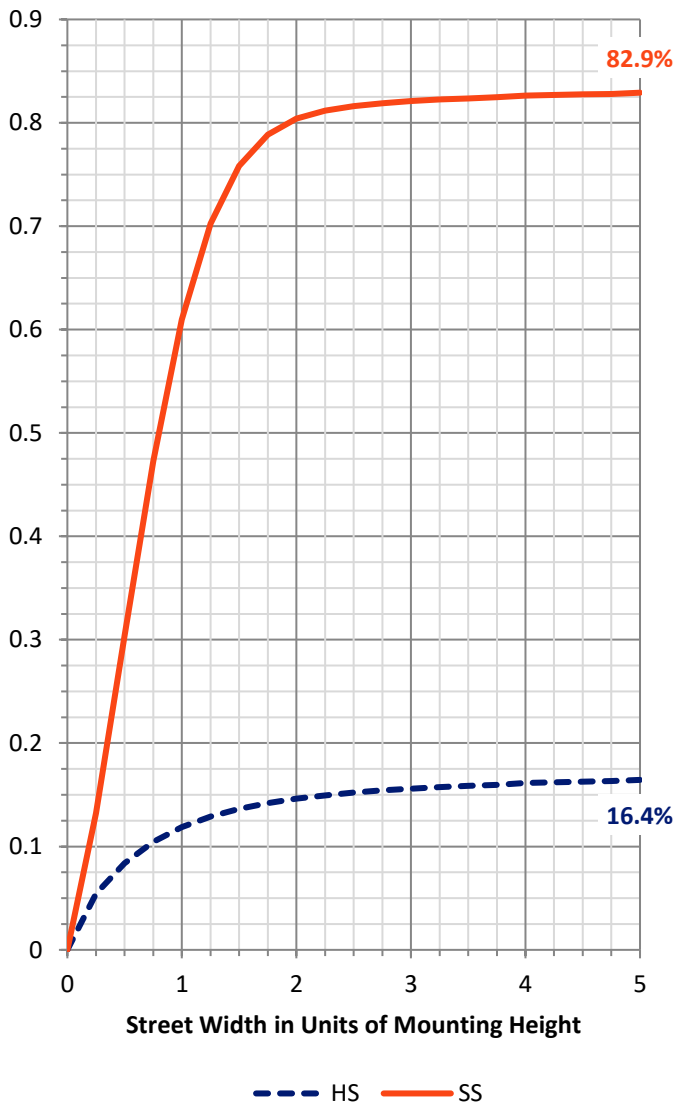
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1424.0	0.0	1424.0
	% Fixture	16.8	0.0	16.8
Street Side	Lumens	7039.0	0.0	7039.0
	% Fixture	83.2	0.0	83.2
Total	Lumens	8463.0	0.0	8463.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.5	1.1
10°-20°	369.1	4.4
20°-30°	717.2	8.5
30°-40°	1170.6	13.8
40°-50°	1599.3	18.9
50°-60°	1862.9	22.0
60°-70°	1670.1	19.7
70°-80°	844.0	10.0
80°-90°	136.3	1.6
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°	8463.0	100.0
0°-180°	8463.0	100.0

Coefficient of Utilization

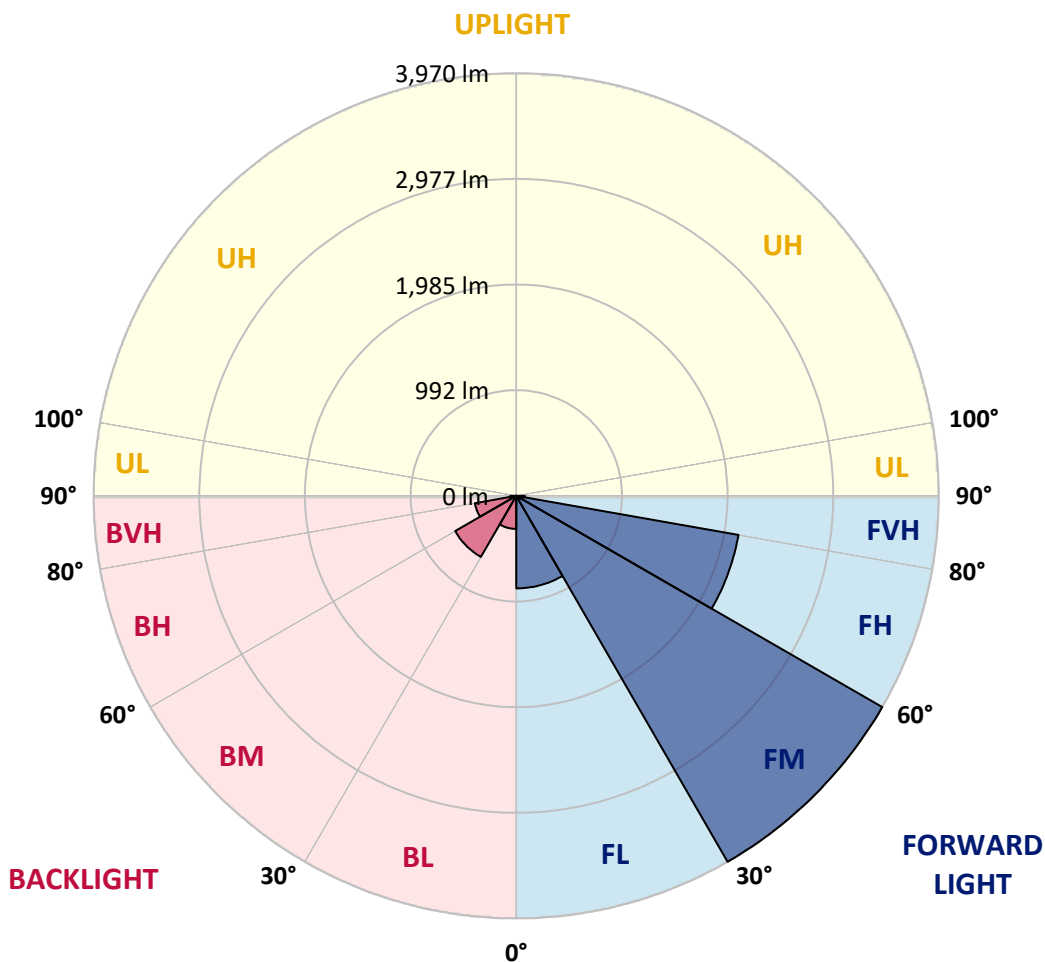


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	869.1	10.3			
FM (30°-60°)	3969.7	46.9			
FH (60°-80°)	2119.6	25.0			G2/5000
FVH (80°-90°)	80.5	1.0			G1/100
BL (0°-30°)	310.6	3.7	B1/500		
BM (30°-60°)	663.1	7.8	B1/1000		
BH (60°-80°)	394.5	4.7	B1/500		G1/500
BVH (80°-90°)	55.8	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	772.9	772.9	772.9	772.9	772.9	772.9	772.9	772.9	772.9	772.9	772.9
2.5°	1026.0	1010.5	1009.0	986.3	981.2	937.8	905.9	872.6	834.6	827.2	797.3
5°	1317.9	1316.5	1296.6	1259.6	1230.5	1156.4	1083.2	1005.6	920.5	906.7	839.5
7.5°	1580.5	1578.2	1563.0	1523.0	1481.1	1390.0	1285.4	1166.5	1028.6	1008.2	896.7
10°	1779.9	1779.0	1773.8	1744.5	1708.9	1621.6	1506.1	1343.7	1154.1	1126.3	968.2
12.5°	1933.9	1935.6	1939.1	1928.7	1911.8	1837.3	1719.0	1531.6	1288.0	1260.4	1047.8
15°	2038.2	2043.3	2061.2	2075.8	2084.7	2039.0	1924.4	1723.9	1438.0	1404.9	1136.0
17.5°	2090.8	2096.5	2127.2	2171.5	2212.3	2207.7	2116.6	1907.2	1581.9	1550.0	1230.8
20°	2136.1	2140.5	2174.9	2228.1	2300.2	2332.1	2281.0	2083.6	1739.7	1701.7	1331.4
22.5°	2267.7	2273.2	2283.5	2313.7	2377.5	2436.1	2411.4	2250.5	1884.2	1848.8	1426.8
25°	2521.7	2528.3	2505.9	2480.3	2492.4	2533.2	2537.8	2402.8	2030.7	1990.8	1529.3
27.5°	2827.7	2837.2	2799.0	2733.2	2675.7	2659.9	2654.5	2527.5	2170.6	2124.4	1630.8
30°	3127.4	3143.7	3094.0	3008.7	2903.3	2829.1	2774.3	2649.6	2308.5	2264.3	1726.4
32.5°	3420.1	3413.5	3341.4	3258.1	3134.5	3041.7	2909.0	2780.6	2463.7	2412.8	1821.5
35°	3620.7	3623.0	3556.0	3457.2	3339.4	3268.1	3089.4	2921.9	2622.0	2575.2	1929.6
37.5°	3791.3	3780.7	3704.9	3612.6	3511.2	3480.8	3300.6	3077.7	2793.5	2742.4	2044.5
40°	3848.2	3835.9	3786.2	3719.8	3638.5	3635.9	3533.6	3254.1	2987.4	2936.9	2174.1
42.5°	3813.7	3797.9	3777.5	3759.4	3734.4	3745.9	3752.6	3460.9	3200.6	3144.0	2324.0
45°	3686.5	3662.6	3677.0	3716.3	3770.7	3835.6	3950.2	3689.9	3439.4	3392.0	2500.2
47.5°	3490.8	3469.3	3514.1	3598.3	3745.9	3910.3	4137.3	3942.7	3724.4	3677.3	2751.0
50°	3215.6	3221.9	3286.0	3439.1	3662.3	3944.8	4367.7	4277.5	4138.7	4094.7	3093.2
52.5°	2763.9	2765.1	2945.5	3196.9	3514.1	3926.9	4495.5	4705.3	4704.4	4651.3	3419.0
55°	2344.4	2370.0	2512.8	2847.0	3273.9	3855.7	4584.9	4913.3	5075.9	5013.6	3722.7
57.5°	1934.7	1949.7	2085.0	2420.6	2931.1	3665.8	4676.5	5163.0	5504.0	5464.6	4100.2
60°	1468.7	1491.7	1631.6	1941.6	2492.7	3328.8	4685.2	5423.5	6015.7	5976.0	4521.7
62.5°	953.3	992.9	1124.0	1414.4	1962.3	2844.1	4485.2	5593.9	6500.7	6486.6	4895.8
65°	547.9	577.8	668.9	893.0	1353.8	2235.6	4009.7	5528.4	6799.2	6791.1	5035.7
66°	447.6	466.3	536.1	697.9	1117.1	1963.2	3733.3	5390.2	6828.8	6829.1	5019.6
67.5°	358.0	366.3	397.6	499.6	824.3	1556.1	3239.4	5085.4	6792.0	6802.1	4915.9
70°	296.2	300.5	310.3	335.0	449.9	938.4	2299.3	4293.3	6422.8	6430.6	4511.0
72.5°	265.8	268.3	272.1	275.5	317.5	524.3	1404.4	3434.5	5631.3	5641.3	3894.2
75°	240.8	242.2	241.6	241.9	266.3	334.1	725.7	2564.2	4553.3	4533.2	2983.1
77.5°	211.5	212.9	210.0	210.6	235.6	256.9	361.1	1795.1	3072.8	2930.8	1680.8
80°	178.7	179.9	178.7	180.7	205.1	193.9	210.0	1009.9	1358.7	1285.1	597.6
82.5°	135.0	139.9	143.4	151.4	168.9	137.9	140.5	393.3	413.7	393.9	183.3
85°	59.2	72.1	108.0	115.8	127.0	82.7	92.2	160.3	168.4	163.2	66.7
87.5°	15.5	17.0	53.4	67.2	70.4	37.4	48.0	73.0	77.0	73.0	22.1
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°	772.9	772.9	772.9	772.9	772.9	772.9	772.9	772.9	772.9	772.9	772.9
2.5°	781.5	767.4	742.1	719.7	702.8	691.3	679.8	674.0	670.6	667.1	667.7
5°	806.5	778.0	734.7	703.9	686.7	675.8	670.0	667.7	666.3	662.8	662.8
7.5°	844.1	803.9	744.1	712.5	699.0	690.7	687.2	686.1	684.4	680.3	680.9
10°	891.5	835.2	764.0	733.2	720.9	711.7	706.8	705.1	701.9	697.3	697.9
12.5°	947.3	874.0	790.1	757.9	743.0	730.6	722.6	717.7	712.2	706.2	706.5
15°	1008.2	916.2	818.3	780.0	759.6	742.4	729.5	721.1	712.5	705.1	704.8
17.5°	1069.9	957.0	839.8	792.1	764.5	741.8	724.3	711.4	700.7	691.6	690.7
20°	1136.6	993.8	851.9	791.0	755.3	728.3	705.1	689.0	677.2	668.0	666.6
22.5°	1204.4	1028.3	853.9	779.2	734.9	701.9	677.5	659.7	647.6	638.1	634.7
25°	1266.5	1055.0	845.6	756.5	706.5	670.9	647.0	628.9	619.2	607.9	604.5
27.5°	1323.1	1073.7	828.9	727.5	674.6	639.6	617.1	601.6	591.0	582.4	579.5
30°	1373.9	1083.7	801.6	693.0	641.8	610.0	591.0	580.4	571.2	560.3	558.2
32.5°	1422.2	1083.7	766.5	655.4	609.4	583.8	572.6	566.0	555.7	545.0	542.2
35°	1470.5	1077.1	725.2	616.0	579.5	565.1	564.6	556.8	541.0	526.6	522.9
37.5°	1521.3	1063.6	678.6	579.2	555.1	556.8	561.7	544.5	522.0	501.6	496.2
40°	1578.8	1044.9	630.4	547.3	534.7	553.1	553.9	526.6	483.0	464.3	459.4
42.5°	1646.3	1026.3	585.5	519.2	518.6	541.9	539.3	488.1	462.0	452.5	449.9
45°	1735.1	1015.6	543.0	492.4	506.0	523.8	514.3	466.9	456.0	450.5	448.2
47.5°	1875.0	1021.1	503.9	471.2	493.3	505.7	467.7	458.3	450.5	443.9	441.6
50°	2050.2	1017.9	472.3	456.5	478.9	486.7	446.8	447.1	443.0	435.6	432.1
52.5°	2182.1	993.2	451.9	448.2	466.3	453.1	433.6	436.1	434.1	423.2	419.5
55°	2309.4	972.0	441.6	445.0	457.1	411.1	418.0	424.4	422.3	411.7	410.0
57.5°	2467.7	967.9	435.3	445.9	449.4	390.2	403.1	411.4	410.0	405.4	404.5
60°	2661.6	969.1	429.5	447.3	440.7	374.7	389.0	399.6	400.5	399.6	399.1
62.5°	2768.2	937.8	415.2	443.3	425.5	361.1	374.4	389.9	390.2	391.9	391.6
65°	2677.7	844.1	388.4	429.2	399.9	349.9	361.7	378.7	374.4	382.1	382.1
66°	2589.8	790.1	375.2	420.0	389.0	345.6	357.7	372.9	367.5	378.1	378.1
67.5°	2410.2	699.0	351.4	400.5	373.5	339.6	353.1	363.4	356.0	371.8	370.6
70°	2082.1	540.7	303.4	356.3	347.9	330.7	346.8	344.5	333.6	357.7	353.1
72.5°	1755.5	410.9	243.6	298.2	309.1	319.5	337.9	320.4	306.6	323.5	313.5
75°	1362.1	308.9	192.5	231.9	261.2	302.0	327.2	292.5	272.7	270.9	265.5
77.5°	736.4	212.0	152.6	177.0	207.4	280.1	320.1	262.6	232.7	225.8	221.5
80°	291.6	137.9	110.9	134.2	145.1	248.5	302.8	227.8	191.9	185.0	178.4
82.5°	120.4	81.6	71.5	89.9	94.5	212.6	271.8	186.8	148.3	205.1	217.8
85°	51.7	44.8	42.5	46.5	53.4	149.1	216.3	142.5	160.0	142.8	113.5
87.5°	15.5	19.0	18.1	17.8	19.5	35.6	115.2	79.3	117.5	44.5	33.3
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)