

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: McGRAW-EDISON

Report Number: P942474

Luminaire Tested: **GALN-SB6C-730-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942474
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6C-730-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33163 lumens
Efficiency: N/A
Efficacy: 110.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

Input Watts (W): 300.9
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



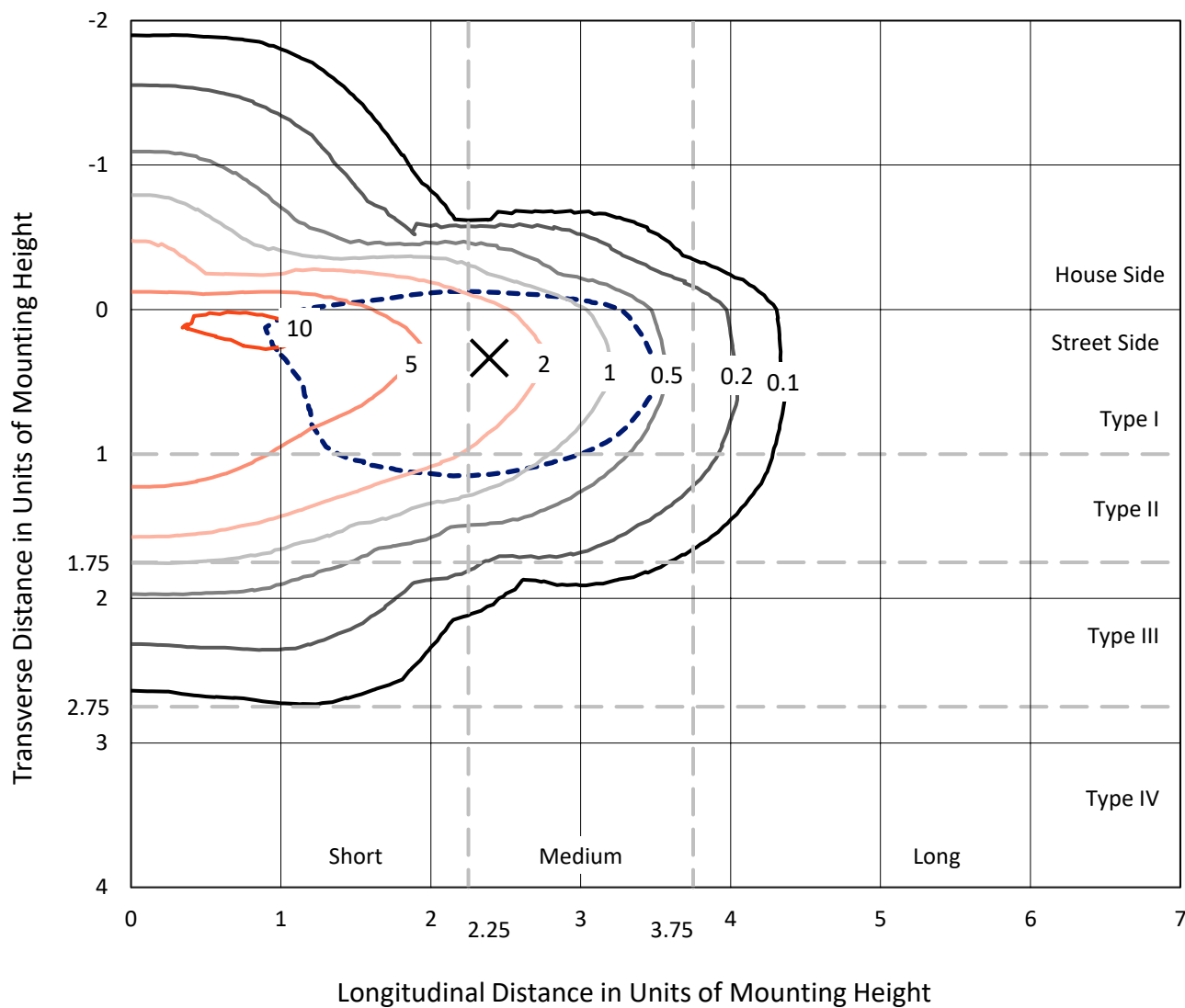
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

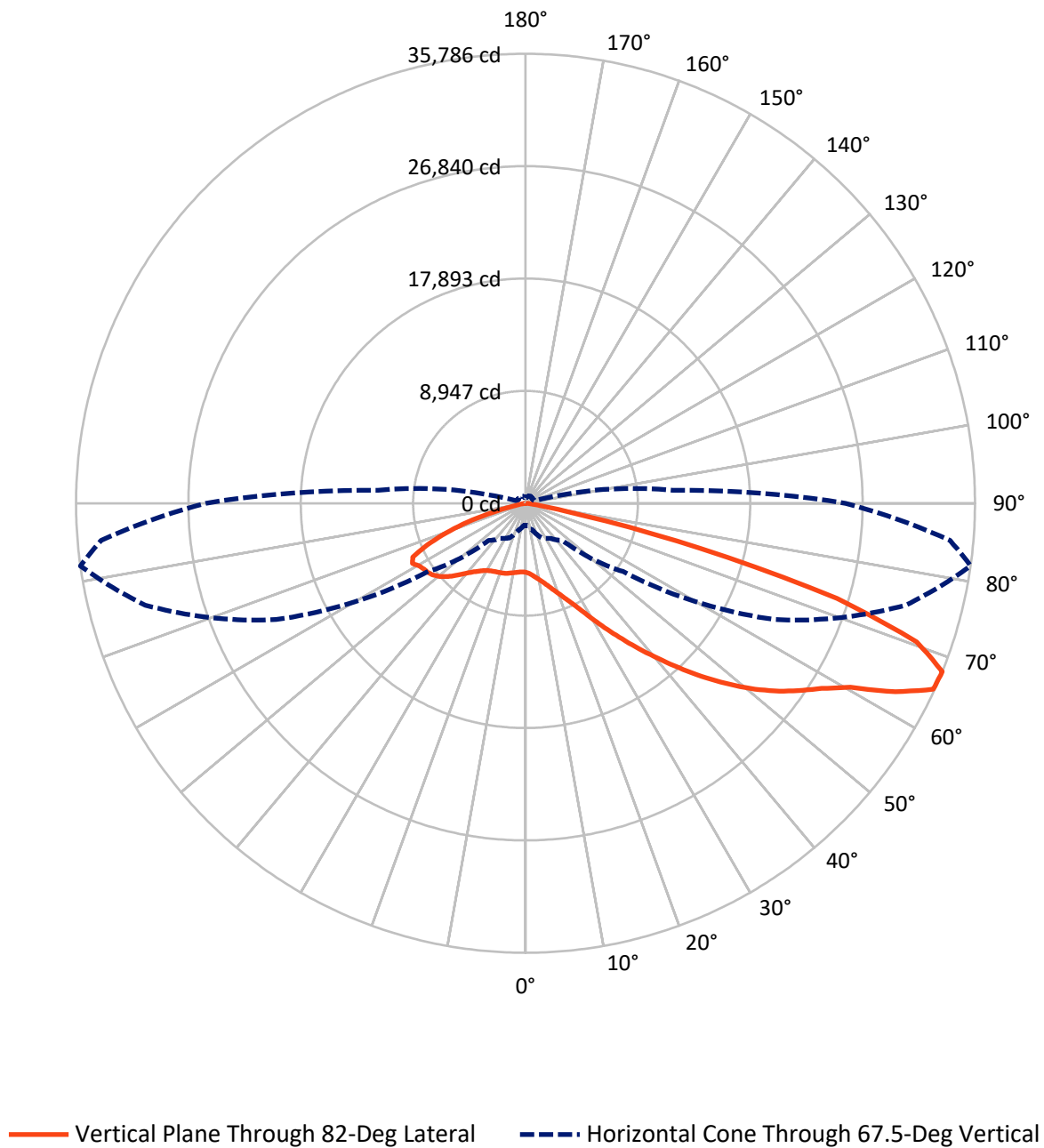


Based on 25 foot mounting height. Maximum calculated value = 11.6 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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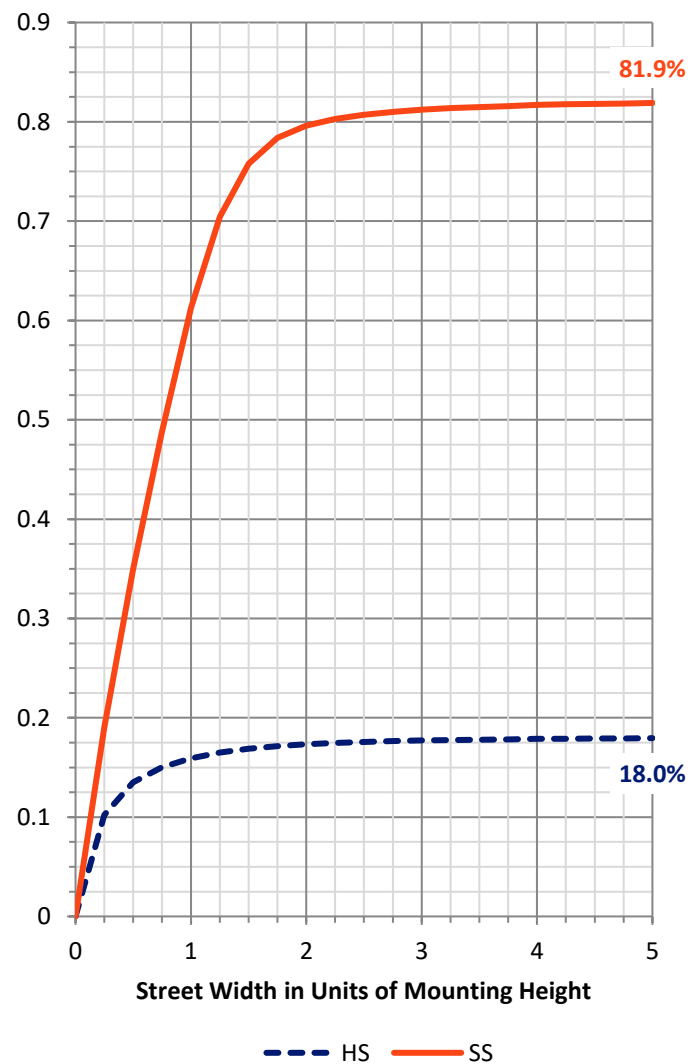
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6007.2	0.0	6007.2
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	27155.8	0.0	27155.8
	% Fixture	81.9	0.0	81.9
Total	Lumens	33163.0	0.0	33163.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	489.5	1.5
10°-20°	1271.9	3.8
20°-30°	2037.2	6.1
30°-40°	3602.5	10.9
40°-50°	6311.9	19.0
50°-60°	8418.3	25.4
60°-70°	7837.0	23.6
70°-80°	3007.8	9.1
80°-90°	186.8	0.6
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°	33163.0	100.0
0°-180°	33163.0	100.0

Coefficient of Utilization



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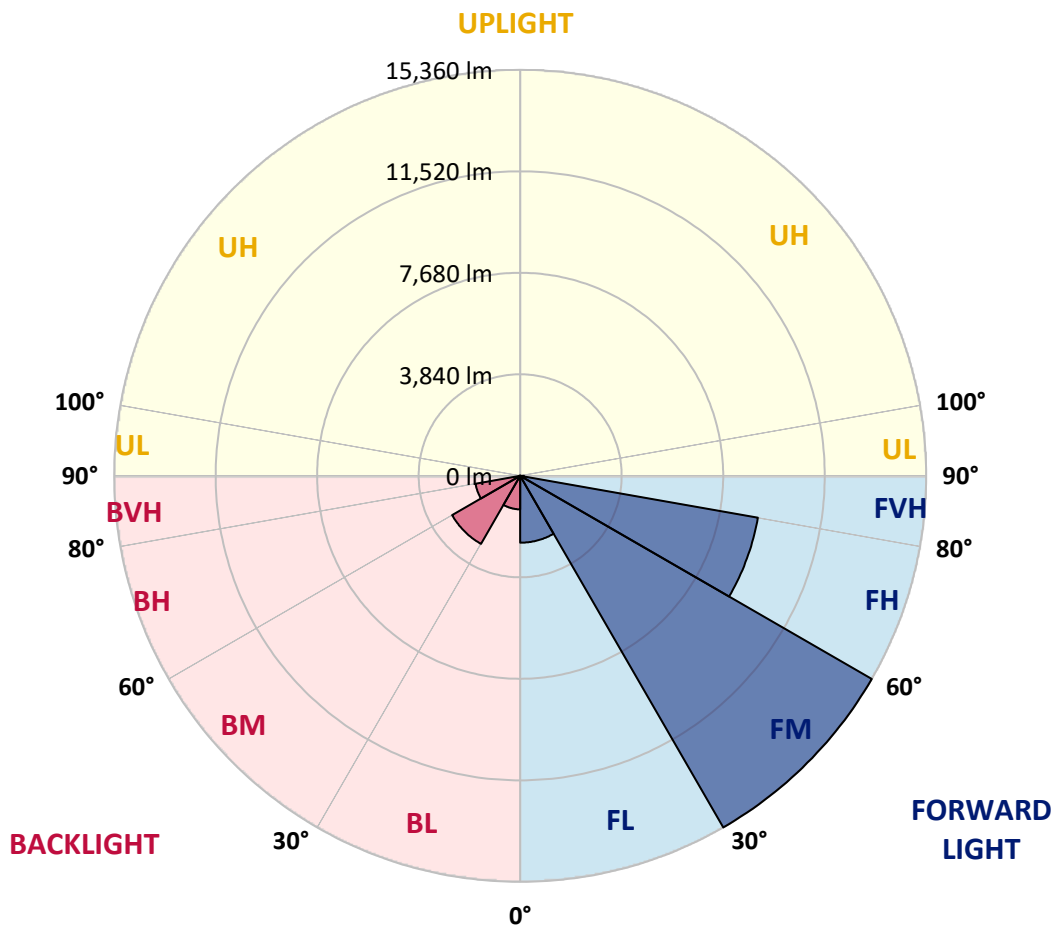
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2530.0	7.6			
FM	(30°-60°)	15359.7	46.3			
FH	(60°-80°)	9130.3	27.5			G4/12000
FVH	(80°-90°)	135.8	0.4			G2/225
BL	(0°-30°)	1268.7	3.8	B3/2500		
BM	(30°-60°)	2972.9	9.0	B3/5000		
BH	(60°-80°)	1714.6	5.2	B3/2500		G3/2500
BVH	(80°-90°)	51.0	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	5494.0	5494.0	5494.0	5494.0	5494.0	5494.0	5494.0	5494.0	5494.0	5494.0	5494.0
2.5°	5806.8	5840.2	5821.1	5811.5	5794.8	5771.0	5751.9	5692.2	5630.1	5589.5	5575.2
5°	5923.8	5957.2	5954.8	5964.4	5976.3	5983.5	5978.7	5911.8	5823.5	5754.2	5713.7
7.5°	5823.5	5861.7	5892.7	5940.5	6024.0	6112.4	6155.4	6141.0	6050.3	5954.8	5904.7
10°	5539.4	5579.9	5654.0	5766.2	5942.9	6133.9	6293.9	6367.9	6310.6	6205.5	6136.3
12.5°	5018.8	5059.4	5205.1	5448.6	5744.7	6076.6	6382.2	6580.4	6594.7	6489.6	6408.5
15°	4433.9	4474.5	4629.7	4935.3	5386.5	5919.0	6429.9	6804.8	6931.4	6840.6	6742.7
17.5°	4070.9	4106.8	4223.8	4469.7	4940.1	5603.8	6413.2	7043.6	7332.5	7260.8	7143.9
20°	3961.1	3992.2	4047.1	4219.0	4610.6	5276.7	6303.4	7268.0	7764.6	7724.1	7592.7
22.5°	4078.1	4106.8	4123.5	4199.9	4445.8	5061.8	6164.9	7497.2	8266.1	8270.8	8110.9
25°	4347.9	4376.6	4357.5	4405.2	4512.7	4995.0	6112.4	7767.0	8896.4	8948.9	8767.5
27.5°	4792.0	4794.4	4749.0	4746.7	4763.4	5095.2	6167.3	8055.9	9691.5	9789.4	9564.9
30°	5682.6	5646.8	5472.5	5283.9	5197.9	5396.1	6320.1	8397.4	10629.8	10804.1	10522.4
32.5°	7055.5	7003.0	6683.0	6231.8	5778.1	5880.8	6594.7	8786.6	11651.7	11966.9	11623.1
35°	8545.4	8531.1	8196.8	7525.9	6733.2	6570.8	7041.2	9297.5	12766.8	13268.2	12859.9
37.5°	9930.2	9923.1	9732.1	8941.8	7977.1	7533.0	7757.5	9966.1	13960.6	14686.4	14204.1
40°	11195.7	11217.2	11026.2	10319.4	9347.7	8767.5	8731.6	10792.2	15288.1	16231.3	15658.2
42.5°	12289.2	12313.1	12119.7	11596.8	10701.5	10133.2	9927.9	11804.6	16584.6	17890.7	17212.6
45°	13031.8	13179.8	13151.2	12733.3	12091.1	11501.3	11365.2	13074.8	18062.6	19650.4	18855.3
47.5°	13241.9	13378.0	13592.9	13650.2	13258.6	12678.4	12840.8	14605.3	19557.3	21412.5	20507.5
50°	12723.8	12850.3	13296.8	13891.4	14163.6	13984.5	14275.8	16245.6	21087.7	23169.8	22128.8
52.5°	11701.9	11830.8	12394.3	13335.0	14445.3	15008.8	15715.5	17862.0	22570.5	24834.0	23664.0
55°	10223.9	10360.0	11083.5	12148.4	13908.1	15431.4	16916.5	19476.1	23929.0	26331.0	25048.9
57.5°	8213.5	8313.8	9065.9	10555.8	12556.7	15011.2	17802.3	21238.2	25208.8	27801.8	26421.8
60°	5353.1	5441.5	6315.3	7977.1	10317.0	13607.2	17979.0	23203.2	26908.8	29714.3	28272.2
62.5°	3560.0	3619.7	4137.8	5357.9	7265.6	10911.6	16945.2	24771.9	29401.5	33042.7	31445.4
65°	2442.6	2502.3	3020.4	3870.4	4694.1	7217.9	13972.5	24564.2	31660.3	35685.8	33797.2
67.5°	1743.0	1793.1	2232.5	3034.7	3397.6	4192.7	9471.8	21909.1	31335.5	35786.1	33923.8
70°	1248.7	1277.4	1640.3	2363.8	2700.4	2519.0	5267.2	16756.5	27436.5	33045.1	31340.3
72.5°	873.9	883.4	1138.9	1800.3	2175.2	1838.5	2507.0	11171.8	20751.1	25937.1	24296.7
75°	592.1	604.1	766.4	1320.4	1745.4	1403.9	1327.5	5990.6	12181.8	14357.0	12869.4
77.5°	362.9	367.7	494.2	902.5	1306.0	1069.7	854.8	2538.1	4713.2	4627.3	3944.4
80°	205.3	205.3	315.2	561.1	890.6	690.0	599.3	1079.2	1492.3	1310.8	1155.6
82.5°	114.6	117.0	229.2	348.6	589.7	408.3	329.5	499.0	644.7	570.6	496.6
85°	47.8	52.5	140.9	164.7	281.7	203.0	133.7	210.1	238.8	212.5	155.2
87.5°	4.8	7.2	43.0	31.0	33.4	40.6	19.1	40.6	33.4	33.4	23.9
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°	5494.0	5494.0	5494.0	5494.0	5494.0	5494.0	5494.0	5494.0	5494.0	5494.0	5494.0
2.5°	5529.8	5494.0	5403.3	5298.2	5159.7	5092.9	5002.1	4940.1	4887.5	4892.3	4844.5
5°	5637.2	5546.5	5343.6	5090.5	4775.3	4550.9	4312.1	4147.4	4013.6	3985.0	3920.5
7.5°	5785.3	5642.0	5286.3	4830.2	4297.8	3894.3	3533.7	3302.1	3137.4	3084.8	3032.3
10°	5976.3	5768.6	5212.2	4503.1	3736.7	3223.3	2836.5	2655.1	2542.8	2504.6	2476.0
12.5°	6198.3	5914.2	5114.4	4104.4	3158.9	2664.6	2418.7	2328.0	2292.1	2280.2	2273.0
15°	6477.7	6095.7	4966.3	3631.6	2669.4	2323.2	2218.1	2206.2	2211.0	2206.2	2203.8
17.5°	6809.6	6293.9	4725.2	3144.5	2339.9	2148.9	2110.7	2120.2	2132.2	2129.8	2125.0
20°	7172.5	6489.6	4417.2	2712.4	2115.5	2024.7	2003.2	2012.8	2022.3	2017.6	2015.2
22.5°	7585.6	6699.8	4075.7	2375.7	1965.0	1910.1	1886.2	1888.6	1888.6	1879.1	1874.3
25°	8079.8	6931.4	3717.6	2136.9	1850.4	1807.5	1778.8	1769.2	1754.9	1726.3	1721.5
27.5°	8669.6	7177.3	3373.8	1969.8	1759.7	1719.1	1685.7	1661.8	1626.0	1578.2	1573.5
30°	9333.3	7475.7	3082.5	1864.8	1688.1	1647.5	1609.3	1573.5	1520.9	1461.2	1456.5
32.5°	10114.1	7795.7	2870.0	1795.5	1623.6	1580.6	1535.3	1492.3	1435.0	1375.3	1377.7
35°	11045.3	8182.5	2745.8	1747.8	1573.5	1516.2	1466.0	1418.3	1375.3	1322.8	1318.0
37.5°	12055.3	8593.2	2707.6	1723.9	1540.0	1451.7	1394.4	1361.0	1356.2	1325.1	1322.8
40°	13160.7	9080.2	2736.2	1709.6	1504.2	1389.6	1327.5	1320.4	1332.3	1277.4	1279.8
42.5°	14330.7	9658.1	2784.0	1692.8	1454.1	1327.5	1267.8	1267.8	1258.3	1181.9	1181.9
45°	15596.1	10324.2	2831.8	1652.3	1394.4	1265.5	1220.1	1203.4	1162.8	1088.8	1086.4
47.5°	16871.1	11002.3	2867.6	1578.2	1322.8	1212.9	1172.3	1134.1	1074.4	1007.6	1005.2
50°	18081.7	11611.2	2829.4	1468.4	1241.6	1162.8	1119.8	1067.3	1002.8	957.4	950.3
52.5°	19163.3	12138.8	2667.0	1339.5	1155.6	1110.3	1072.1	1017.1	964.6	916.9	912.1
55°	20104.0	12566.2	2380.5	1217.7	1079.2	1064.9	1026.7	957.4	885.8	845.2	840.5
57.5°	21006.6	12890.9	2022.3	1117.4	1010.0	1014.8	957.4	895.4	828.5	785.5	780.8
60°	22207.5	13325.5	1659.4	1024.3	936.0	950.3	888.2	842.8	759.3	704.4	697.2
62.5°	24127.2	14001.2	1318.0	909.7	850.0	854.8	828.5	773.6	673.3	608.9	604.1
65°	25650.5	13752.9	1038.6	785.5	752.1	759.3	759.3	699.6	592.1	518.1	511.0
67.5°	25478.6	11775.9	828.5	663.8	659.0	663.8	680.5	630.3	525.3	465.6	456.0
70°	23470.6	9366.8	663.8	551.5	573.0	561.1	608.9	575.4	472.8	413.1	405.9
72.5°	19151.4	6747.5	506.2	456.0	439.3	458.4	549.2	518.1	394.0	327.1	319.9
75°	11190.9	3600.6	377.2	360.5	317.6	382.0	487.1	441.7	300.8	241.2	234.0
77.5°	3643.6	1255.9	277.0	265.0	236.4	308.0	415.5	372.5	245.9	191.0	183.8
80°	976.5	379.6	188.6	174.3	152.8	229.2	329.5	296.1	176.7	124.2	121.8
82.5°	391.6	160.0	109.8	97.9	83.6	157.6	260.3	238.8	131.3	78.8	78.8
85°	126.5	52.5	40.6	31.0	38.2	97.9	155.2	162.4	93.1	40.6	31.0
87.5°	16.7	7.2	7.2	9.6	7.2	16.7	47.8	45.4	26.3	4.8	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)