

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: P946630

Luminaire Tested: **GALN-SB2B-722-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946630
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2B-722-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7109 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 73.9
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

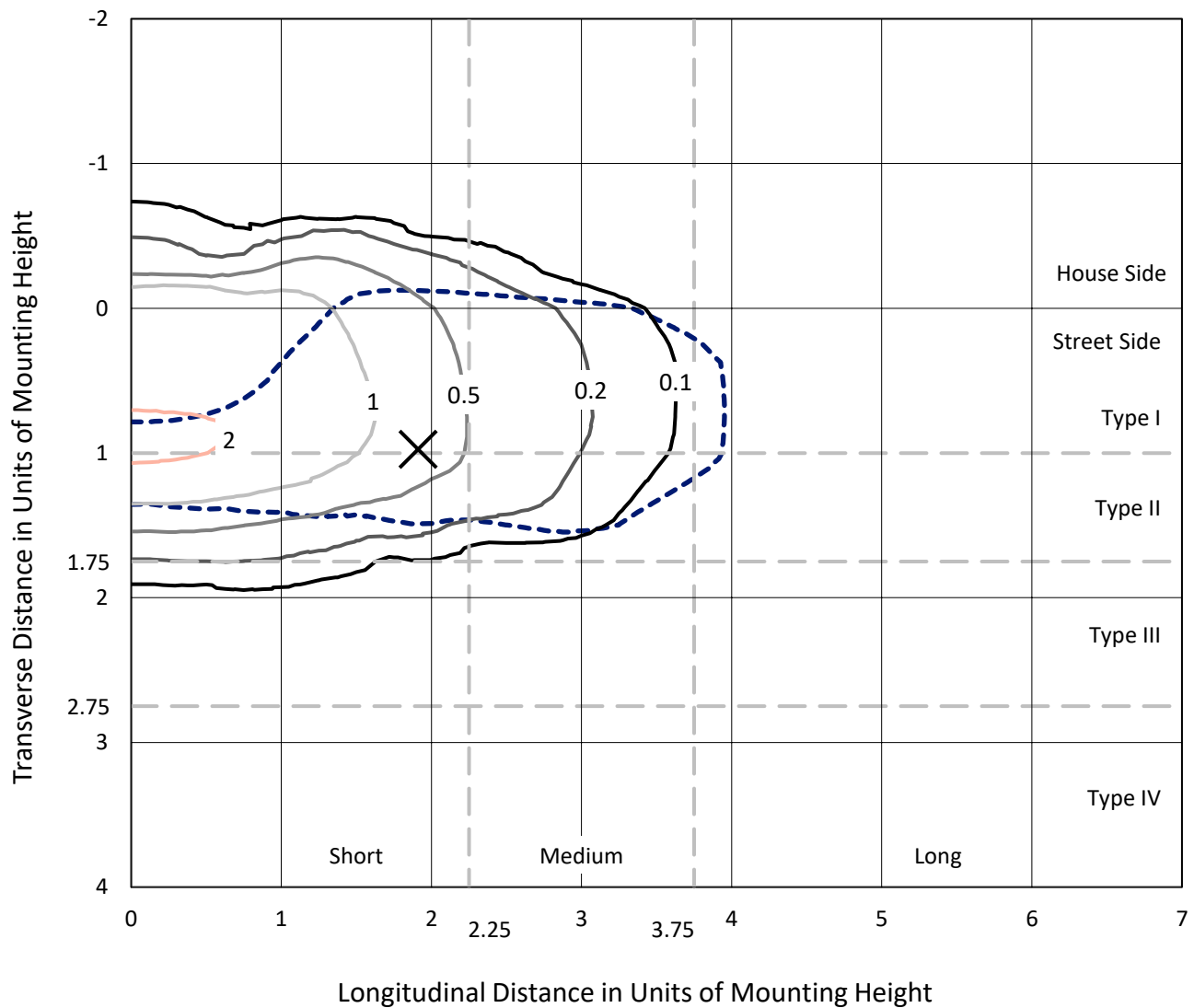


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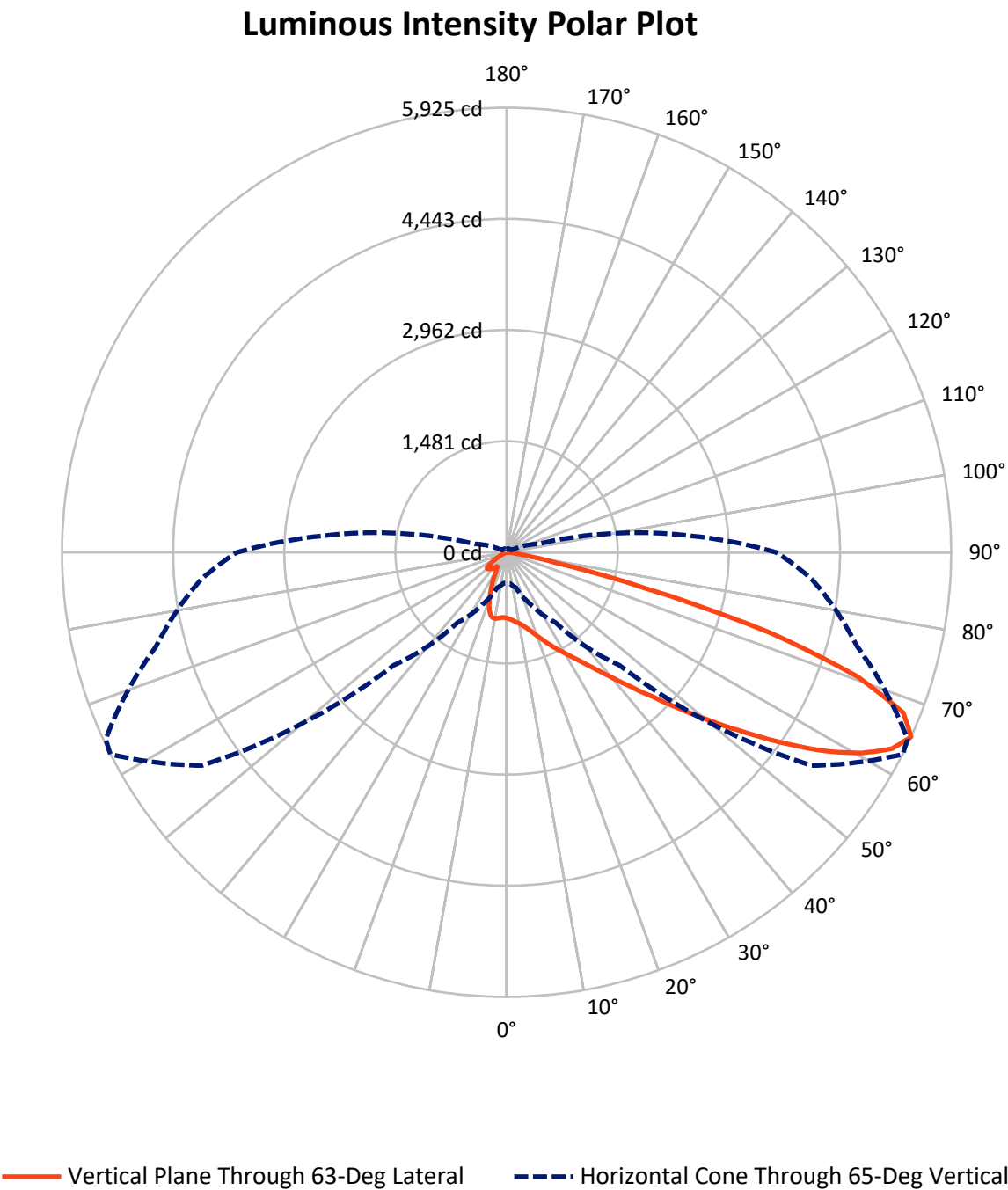
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
Type II - Short - N/A

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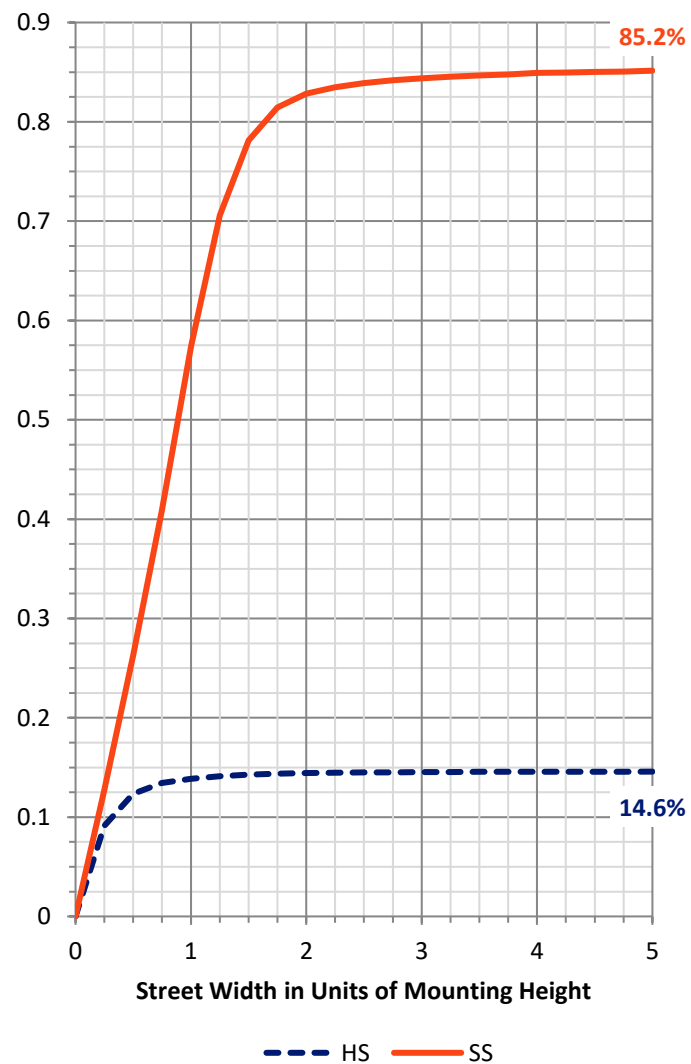
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1045.0	0.0	1045.0
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	6064.0	0.0	6064.0
	% Fixture	85.3	0.0	85.3
Total	Lumens	7109.0	0.0	7109.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.7	1.2
10°-20°	229.4	3.2
20°-30°	399.4	5.6
30°-40°	719.9	10.1
40°-50°	1427.7	20.1
50°-60°	1944.8	27.4
60°-70°	1552.3	21.8
70°-80°	702.5	9.9
80°-90°	50.5	0.7
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°	7109.0	100.0
0°-180°	7109.0	100.0

Coefficient of Utilization



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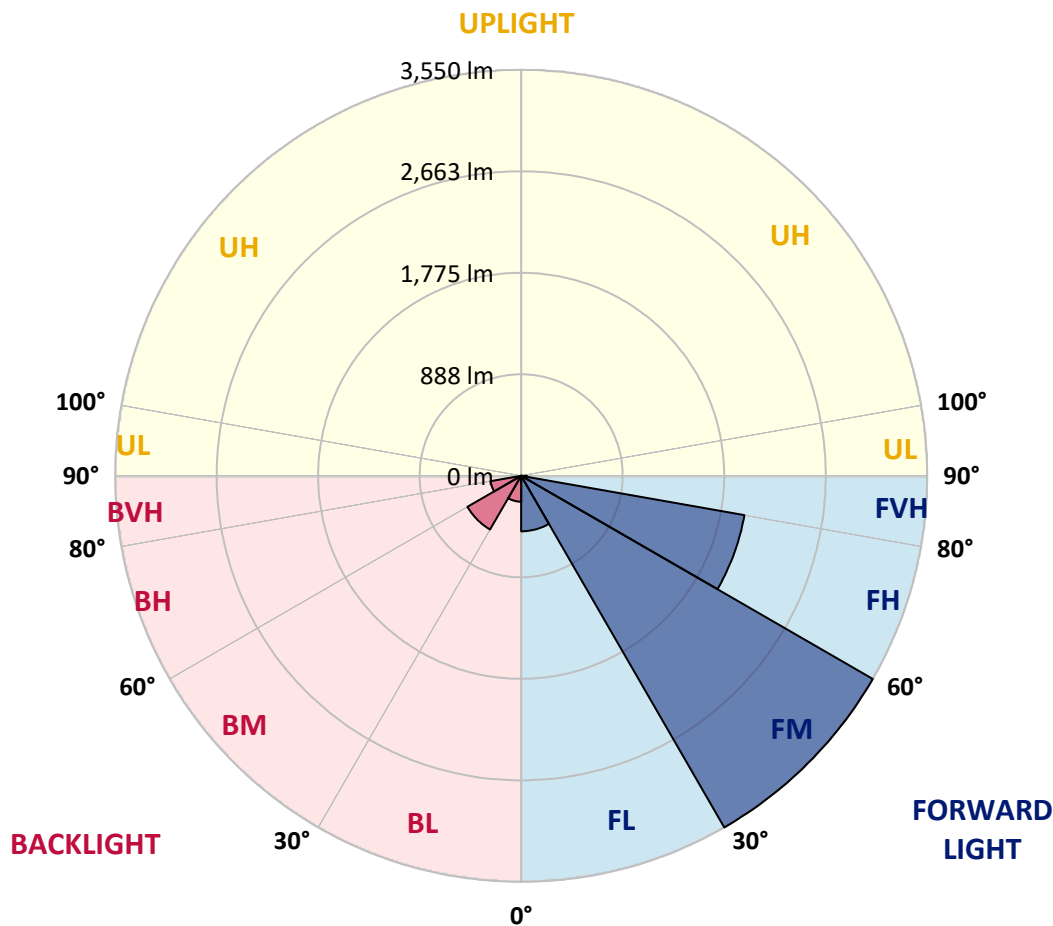
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	485.3	6.8			
FM	(30°-60°)	3550.1	49.9			
FH	(60°-80°)	1982.0	27.9			G2/5000
FVH	(80°-90°)	46.7	0.7			G1/100
BL	(0°-30°)	226.1	3.2	B1/500		
BM	(30°-60°)	542.3	7.6	B1/1000		
BH	(60°-80°)	272.8	3.8	B1/500		G1/500
BVH	(80°-90°)	3.7	0.1			G0/10
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°	63°	65°	75°	85°
0°	877.4	877.4	877.4	877.4	877.4	877.4	877.4	877.4	877.4	877.4	877.4
2.5°	897.9	895.5	898.9	897.4	896.5	894.5	893.5	892.5	890.6	889.1	883.3
5°	900.4	898.9	902.3	905.3	908.2	911.1	912.6	914.6	912.6	908.7	902.8
7.5°	879.8	878.9	886.2	895.0	908.2	919.4	931.7	938.5	939.0	937.5	931.2
10°	878.4	875.9	883.3	894.0	911.1	931.2	952.7	967.4	969.3	975.7	968.8
12.5°	901.3	898.9	909.2	920.9	938.5	959.5	986.0	1006.5	1009.4	1018.2	1013.3
15°	940.0	936.6	948.3	963.5	986.0	1009.9	1037.8	1056.4	1058.8	1069.6	1060.8
17.5°	985.0	981.6	995.2	1011.4	1035.8	1068.6	1100.9	1121.4	1124.4	1131.2	1115.1
20°	1042.7	1038.3	1049.0	1063.7	1089.6	1128.8	1167.4	1196.7	1196.3	1196.3	1169.8
22.5°	1109.7	1102.8	1112.1	1123.9	1148.3	1195.8	1247.1	1281.8	1281.8	1268.1	1224.6
25°	1181.6	1174.7	1185.0	1195.8	1217.3	1271.1	1331.2	1374.3	1376.2	1352.8	1283.3
27.5°	1271.6	1262.8	1270.6	1283.3	1296.0	1350.8	1422.2	1472.1	1473.1	1436.9	1339.1
30°	1444.7	1419.8	1395.3	1381.6	1387.5	1441.8	1518.1	1573.3	1578.2	1528.3	1399.7
32.5°	1761.6	1756.7	1670.7	1558.2	1499.5	1539.6	1625.2	1691.7	1694.6	1630.5	1478.4
35°	2254.1	2248.2	2109.8	1895.6	1704.4	1670.7	1755.3	1834.0	1832.0	1759.7	1580.7
37.5°	2842.0	2836.6	2654.2	2367.6	2058.0	1868.7	1923.0	2005.7	2017.9	1923.0	1712.7
40°	3344.2	3324.2	3208.8	2932.4	2527.5	2197.4	2161.7	2216.4	2229.2	2116.7	1880.5
42.5°	3724.7	3707.6	3648.9	3476.3	3095.8	2683.5	2442.9	2463.9	2478.1	2343.1	2073.2
45°	3921.8	3917.9	3941.4	3925.2	3674.8	3280.2	2844.9	2757.4	2762.7	2594.0	2291.8
47.5°	3949.7	3947.7	4054.8	4206.5	4172.7	3953.1	3360.9	3123.2	3104.1	2877.2	2529.5
50°	3785.4	3781.5	3986.9	4271.0	4505.3	4518.5	3946.8	3535.5	3493.4	3170.1	2777.4
52.5°	3260.6	3259.6	3597.1	4070.0	4622.2	5013.4	4525.8	3988.3	3917.9	3480.2	3039.5
55°	2508.9	2527.0	2913.9	3472.9	4408.9	5251.6	5045.7	4491.1	4383.0	3792.2	3281.1
57.5°	1777.3	1803.7	2186.1	2684.0	3747.7	5110.7	5397.3	4994.8	4878.4	4103.3	3526.2
60°	954.7	978.1	1361.1	1955.3	2788.2	4585.5	5582.7	5432.1	5322.0	4398.7	3747.2
62.5°	568.8	576.6	735.1	1262.3	1885.8	3503.2	5504.0	5765.1	5674.6	4646.6	3939.4
65°	408.4	409.8	489.6	770.8	1144.9	2128.4	4951.8	5924.5	5896.7	4833.4	4081.7
67.5°	343.8	342.8	376.1	512.1	780.1	1066.2	3795.2	5699.1	5817.4	4951.8	4162.4
70°	294.9	296.4	335.5	375.1	586.4	603.5	1886.8	4962.1	5214.4	4983.1	4157.6
72.5°	219.6	224.5	260.7	341.9	442.6	415.2	651.4	3679.2	4135.5	4695.0	3941.9
75°	155.0	157.5	183.4	287.6	330.1	302.2	332.6	1902.0	2486.9	3599.5	3226.4
77.5°	119.3	123.7	138.9	201.0	325.2	212.3	203.5	658.3	1011.4	2174.4	2212.0
80°	64.6	72.4	100.3	145.3	228.4	150.1	100.7	262.1	342.8	1016.8	852.9
82.5°	33.3	37.2	69.9	104.7	130.1	131.1	49.9	109.1	141.3	314.0	116.9
85°	13.2	16.1	47.0	57.7	67.0	64.6	22.5	44.0	50.9	87.1	35.7
87.5°	2.9	4.9	17.1	13.2	12.7	13.7	5.4	10.3	9.8	10.3	6.4
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°	877.4	877.4	877.4	877.4	877.4	877.4	877.4	877.4	877.4	877.4	877.4
2.5°	882.8	880.8	875.4	869.6	862.7	858.8	856.4	855.9	852.4	850.0	852.4
5°	897.4	895.5	885.2	873.0	859.8	849.5	839.7	830.9	818.2	815.8	814.8
7.5°	926.8	921.4	904.8	888.1	863.2	833.4	797.2	755.6	718.4	707.2	701.8
10°	963.0	955.6	934.6	905.3	850.0	768.8	681.3	600.1	535.5	517.4	510.6
12.5°	1004.1	997.7	969.8	915.5	794.7	647.5	513.5	412.8	350.2	334.5	330.1
15°	1053.0	1043.7	1005.0	899.9	695.9	492.0	352.6	293.0	270.5	267.5	264.6
17.5°	1104.8	1089.6	1036.3	843.6	562.9	349.7	272.4	255.3	245.5	242.6	241.1
20°	1152.2	1132.7	1054.9	758.5	420.6	272.4	244.0	232.8	224.0	220.6	218.6
22.5°	1199.7	1171.8	1054.9	642.6	315.4	241.6	224.0	213.7	203.5	199.0	196.6
25°	1249.1	1211.9	1036.3	513.5	253.8	221.5	204.9	193.7	184.9	179.5	177.5
27.5°	1297.0	1245.7	993.8	391.3	225.9	203.9	187.3	176.6	168.2	164.3	164.3
30°	1342.5	1278.9	934.1	296.9	207.9	186.8	171.2	161.9	153.6	149.7	150.1
32.5°	1404.1	1321.0	870.5	243.6	192.2	170.7	156.5	147.7	140.4	137.4	137.4
35°	1489.7	1383.1	815.8	239.2	179.0	157.5	143.3	135.0	127.6	125.2	125.2
37.5°	1611.0	1483.3	786.9	268.5	168.2	145.7	132.5	123.7	116.9	114.9	114.4
40°	1760.6	1619.3	802.6	297.8	160.9	135.5	122.8	114.0	108.1	105.6	105.1
42.5°	1938.2	1787.0	889.1	320.3	156.0	126.7	113.5	103.7	99.8	98.8	98.8
45°	2142.1	1971.4	1021.7	344.3	148.2	118.4	104.2	96.8	93.9	93.4	92.9
47.5°	2373.9	2173.9	1175.2	374.1	140.4	110.5	96.8	91.9	89.5	88.5	88.5
50°	2603.8	2377.8	1333.2	390.8	134.0	103.2	91.0	87.1	85.1	84.6	84.6
52.5°	2844.4	2587.6	1460.8	375.1	128.6	97.3	86.1	83.1	81.2	80.7	80.7
55°	3073.8	2757.4	1482.8	318.4	117.9	91.5	80.7	79.2	76.8	76.8	76.3
57.5°	3271.4	2842.5	1327.3	233.8	107.1	82.7	75.3	73.8	71.9	71.4	70.9
60°	3452.8	2818.0	1024.6	157.5	95.4	73.8	68.5	67.5	65.5	63.1	62.6
62.5°	3555.0	2710.4	700.8	102.7	83.6	64.6	60.6	60.2	55.8	50.9	49.9
65°	3593.7	2489.3	437.2	74.8	69.9	55.3	52.3	51.4	45.0	39.6	39.1
67.5°	3559.9	2125.5	220.6	59.2	55.3	46.0	43.0	43.0	38.6	33.7	33.3
70°	3424.9	1593.4	92.9	47.4	42.5	35.2	35.2	37.2	32.8	27.4	26.9
72.5°	3132.0	1072.0	49.4	36.2	31.8	24.9	28.9	30.3	25.9	20.5	20.5
75°	2489.8	653.9	34.2	26.9	20.1	17.6	22.0	23.0	17.6	13.7	13.2
77.5°	1702.9	375.6	23.0	17.1	12.7	10.3	15.2	14.2	9.3	6.4	6.8
80°	747.8	156.5	13.2	7.8	4.9	3.9	5.4	3.9	2.9	2.0	2.0
82.5°	87.5	36.7	4.9	2.9	2.0	1.0	0.5	0.0	0.0	0.0	0.0
85°	18.1	4.4	2.4	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.4	1.0	0.5	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)