

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: P946275

Luminaire Tested: **GALN-SB2A-722-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946275
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2A-722-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6170 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 57.3
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

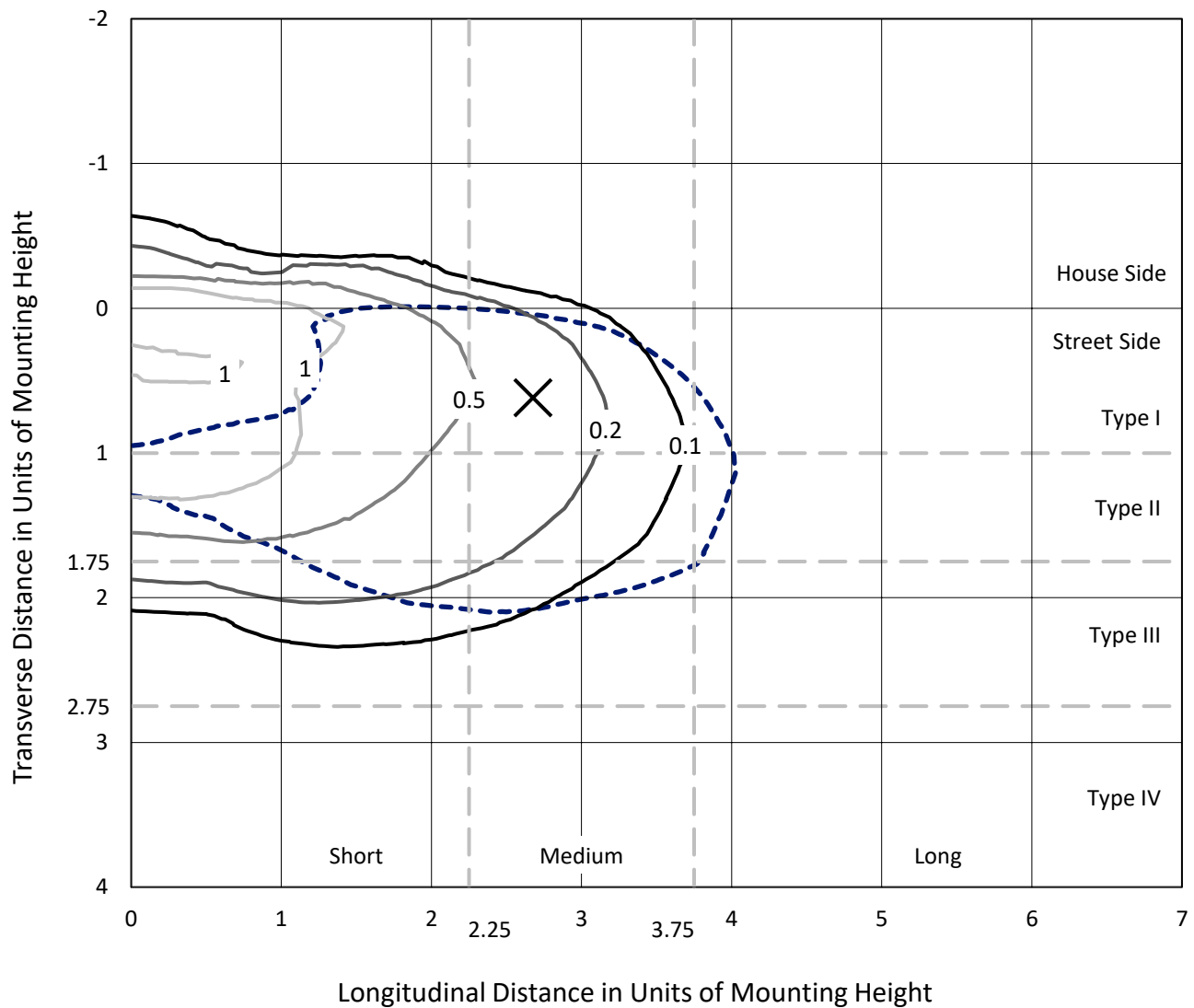


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Iso-Footcandle Lines of Horizontal Illumination

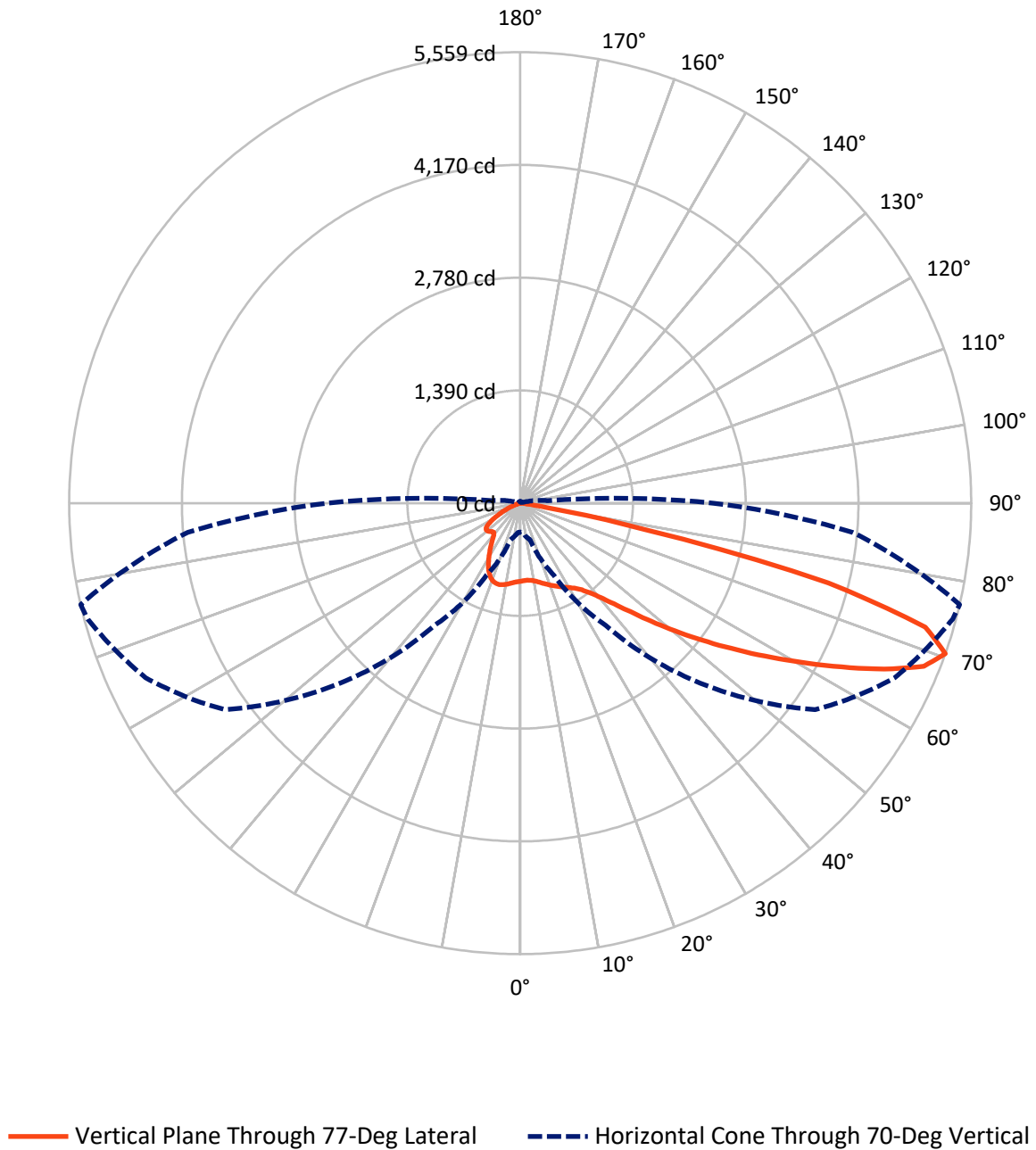
× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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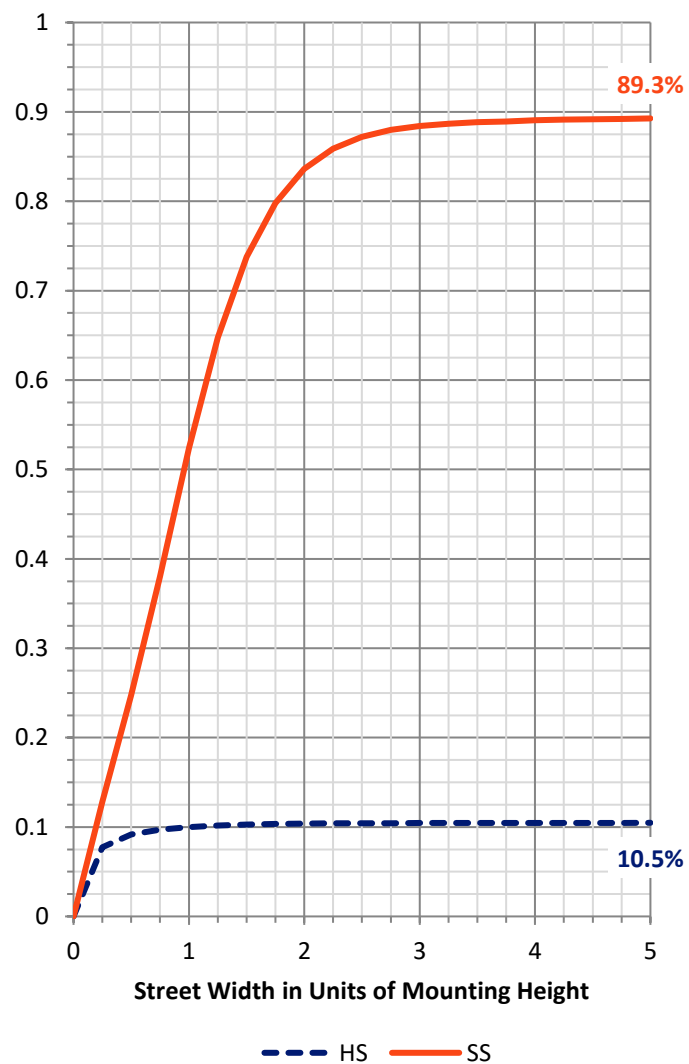
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	650.4	0.0	650.4
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	5519.6	0.0	5519.6
	% Fixture	89.5	0.0	89.5
Total	Lumens	6170.0	0.0	6170.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.9	1.3
10°-20°	196.9	3.2
20°-30°	304.5	4.9
30°-40°	552.6	9.0
40°-50°	1043.1	16.9
50°-60°	1507.2	24.4
60°-70°	1604.4	26.0
70°-80°	850.2	13.8
80°-90°	27.9	0.5
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°	6170.0	100.0
0°-180°	6170.0	100.0

Coefficient of Utilization



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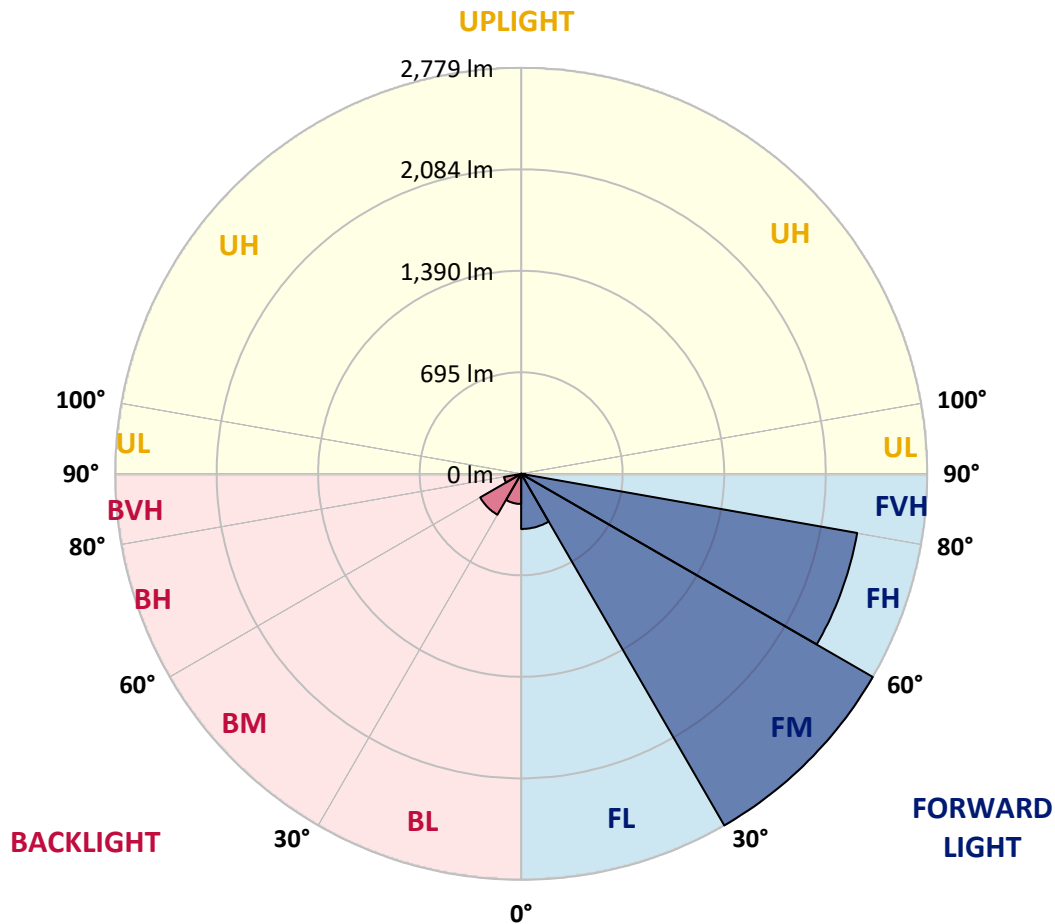
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	377.8	6.1			
FM	(30°-60°)	2779.2	45.0			
FH	(60°-80°)	2335.4	37.9			G2/5000
FVH	(80°-90°)	27.2	0.4			G1/100
BL	(0°-30°)	206.6	3.3	B1/500		
BM	(30°-60°)	323.8	5.2	B1/1000		
BH	(60°-80°)	119.2	1.9	B1/500		G1/500
BVH	(80°-90°)	0.8	0.0			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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	962.4	962.4	962.4	962.4	962.4	962.4	962.4	962.4	962.4	962.4	962.4
2.5°	903.6	911.8	910.6	916.0	918.0	925.8	933.6	944.1	955.8	955.4	963.2
5°	852.5	860.7	862.7	870.1	879.4	891.5	907.5	928.5	950.3	953.8	969.4
7.5°	792.1	800.7	805.8	820.6	837.7	862.7	888.8	919.5	955.8	960.9	990.9
10°	731.7	739.5	746.2	767.2	794.5	831.5	874.0	918.4	967.1	974.5	1017.0
12.5°	694.3	701.7	709.1	727.5	761.4	806.6	864.2	923.8	985.8	996.3	1052.4
15°	681.1	687.7	693.6	709.9	741.5	792.9	862.3	935.1	1009.6	1023.6	1095.3
17.5°	683.0	686.5	690.4	702.9	733.7	786.7	865.8	954.6	1037.6	1050.1	1138.1
20°	694.3	696.3	696.7	705.2	732.5	785.9	872.8	973.3	1064.1	1080.9	1180.6
22.5°	708.8	709.5	708.8	714.6	739.9	791.7	882.1	995.9	1093.7	1109.3	1223.5
25°	776.2	761.4	742.7	731.4	752.4	803.0	896.2	1026.3	1126.1	1141.3	1265.2
27.5°	985.4	942.9	875.9	800.7	778.1	819.4	915.7	1057.1	1158.8	1172.4	1310.0
30°	1325.2	1269.4	1155.7	986.2	860.7	853.7	941.0	1087.9	1193.5	1208.3	1357.9
32.5°	1665.7	1652.1	1520.8	1286.2	1046.6	930.1	983.1	1129.6	1239.4	1251.1	1422.6
35°	2010.1	1982.5	1874.9	1643.1	1333.0	1085.5	1053.2	1184.1	1299.8	1313.1	1516.9
37.5°	2273.9	2257.2	2190.6	1999.6	1672.7	1325.6	1173.2	1268.7	1387.5	1402.3	1637.7
40°	2506.9	2499.1	2476.5	2350.7	2052.6	1639.6	1359.8	1399.6	1509.1	1526.6	1785.7
42.5°	2690.1	2708.4	2721.2	2686.2	2444.2	1998.1	1610.8	1583.5	1678.6	1696.5	1974.3
45°	2877.5	2883.7	2935.5	2986.2	2833.1	2372.9	1893.6	1799.0	1889.4	1911.6	2200.3
47.5°	2997.9	3022.8	3114.0	3203.2	3160.0	2744.6	2197.6	2053.4	2133.7	2175.4	2453.6
50°	3006.8	3054.0	3179.5	3334.9	3398.0	3098.4	2528.0	2343.3	2428.6	2474.6	2724.0
52.5°	2857.6	2930.9	3125.3	3352.8	3526.6	3398.0	2869.7	2633.2	2742.7	2802.7	3004.5
55°	2190.9	2286.8	2921.5	3255.4	3531.7	3625.2	3202.4	2935.2	3092.6	3160.4	3307.6
57.5°	1908.8	1957.2	2296.9	3086.3	3437.8	3716.8	3503.2	3222.7	3473.2	3557.4	3594.0
60°	1588.2	1651.7	1926.4	2809.7	3310.4	3725.7	3769.0	3593.6	3885.9	3980.6	3856.6
62.5°	1079.3	1148.3	1421.4	2334.3	3136.2	3721.4	3986.8	3975.5	4344.5	4446.2	4079.1
65°	668.6	711.9	891.9	1906.1	2892.7	3726.1	4214.7	4439.2	4828.4	4931.7	4251.4
67.5°	528.4	548.2	642.1	1463.5	2473.0	3620.9	4442.3	4875.2	5283.9	5365.7	4304.0
70°	355.0	367.0	467.2	981.1	1839.9	3135.4	4438.0	5094.1	5518.5	5559.4	4112.3
72.5°	187.0	196.4	273.1	454.3	1111.3	2228.7	3740.9	4832.3	5285.1	5223.5	3514.9
75°	93.5	109.1	183.9	230.7	474.6	1242.9	2323.0	3809.9	4159.8	3921.3	2255.2
77.5°	70.9	85.7	152.0	152.0	165.2	418.5	983.8	2077.9	1916.6	1596.0	662.0
80°	45.2	58.4	132.9	114.9	69.0	106.4	256.4	582.1	407.2	309.8	120.4
82.5°	26.5	38.2	110.7	76.0	38.6	39.4	72.5	123.9	105.6	82.2	37.0
85°	10.5	24.9	76.0	30.0	15.2	9.7	21.8	26.5	21.8	16.4	9.4
87.5°	0.0	5.8	13.2	0.0	1.2	0.8	1.6	1.9	1.9	1.6	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°	962.4	962.4	962.4	962.4	962.4	962.4	962.4	962.4	962.4	962.4	962.4
2.5°	966.7	967.5	969.8	970.2	964.7	957.7	955.0	953.8	949.2	948.8	949.6
5°	978.4	981.9	978.4	968.3	944.1	910.2	884.5	863.4	844.3	838.5	835.0
7.5°	1001.8	1005.3	994.7	955.0	894.2	826.8	766.0	723.2	684.6	670.2	664.3
10°	1035.3	1039.9	1006.8	926.6	819.0	710.7	607.8	535.4	478.9	455.9	446.1
12.5°	1077.4	1079.3	1013.5	883.3	721.2	566.5	420.8	343.3	293.0	274.3	268.5
15°	1123.7	1121.0	1014.2	824.5	588.0	400.5	274.7	225.6	205.3	199.1	199.1
17.5°	1172.4	1161.1	998.6	739.5	441.9	273.9	203.8	192.1	188.6	187.0	186.6
20°	1220.3	1195.0	970.2	628.5	317.2	204.6	185.1	181.6	179.6	178.8	178.1
22.5°	1264.0	1220.7	921.5	499.5	230.3	180.8	174.9	171.8	168.3	166.8	166.4
25°	1306.5	1235.5	852.9	379.1	184.3	169.1	164.4	158.6	153.9	152.0	151.2
27.5°	1347.8	1244.9	767.2	280.5	164.4	158.2	149.6	141.4	137.9	137.2	136.4
30°	1391.8	1248.0	669.8	209.2	152.3	144.6	132.1	122.7	120.8	121.2	121.2
32.5°	1445.6	1252.7	571.6	171.4	142.2	128.2	113.4	103.6	102.1	103.6	103.3
35°	1509.9	1262.0	476.9	157.8	133.3	111.4	95.5	87.3	85.7	86.9	86.5
37.5°	1597.1	1277.2	388.5	155.1	125.9	97.4	80.3	73.6	73.6	74.0	73.6
40°	1713.2	1317.8	309.4	153.1	122.0	86.9	67.8	65.1	66.2	67.0	67.0
42.5°	1854.7	1403.9	256.0	150.8	117.7	82.2	61.6	60.4	62.3	63.1	63.1
45°	2013.3	1513.0	237.3	146.9	113.8	85.3	58.8	57.3	59.6	60.0	60.4
47.5°	2177.3	1619.7	235.0	142.6	109.9	90.0	58.1	54.5	57.3	57.7	58.1
50°	2343.3	1689.5	237.3	136.0	103.6	90.0	58.4	51.8	54.2	55.3	55.7
52.5°	2510.4	1721.4	235.7	121.6	92.7	84.6	58.4	49.5	51.8	52.6	52.6
55°	2672.5	1715.2	212.0	100.1	78.7	74.8	56.9	47.5	49.1	49.5	49.5
57.5°	2800.7	1628.3	167.9	77.9	63.9	62.3	51.8	45.2	46.4	46.0	46.0
60°	2867.7	1437.4	120.0	60.0	50.3	49.1	45.6	42.1	42.9	40.9	40.5
62.5°	2868.5	1184.9	80.3	47.5	40.1	39.0	39.0	37.8	37.0	33.1	32.0
65°	2807.3	904.7	53.4	37.8	32.3	30.4	32.7	32.3	29.6	24.2	23.4
67.5°	2668.6	593.0	40.5	29.6	24.9	23.8	26.1	27.3	25.3	20.3	19.9
70°	2383.4	345.2	33.5	23.0	18.7	17.5	21.0	23.4	21.0	16.4	15.6
72.5°	1979.8	186.2	27.3	17.1	12.9	11.7	16.8	19.1	16.8	12.1	11.7
75°	1284.6	99.7	21.0	11.3	6.6	7.4	12.5	14.0	11.7	7.8	7.0
77.5°	431.3	44.0	13.2	5.5	3.1	3.1	7.4	8.6	5.5	2.7	2.3
80°	96.2	18.3	5.5	2.3	1.2	1.2	1.6	1.6	0.8	0.0	0.0
82.5°	31.6	7.4	2.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	12.1	2.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.7	0.4	0.0	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)