

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: P939566

Luminaire Tested: **GALN-SB2B-722-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939566
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
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-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7296 lumens
Efficiency: N/A
Efficacy: 98.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - 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

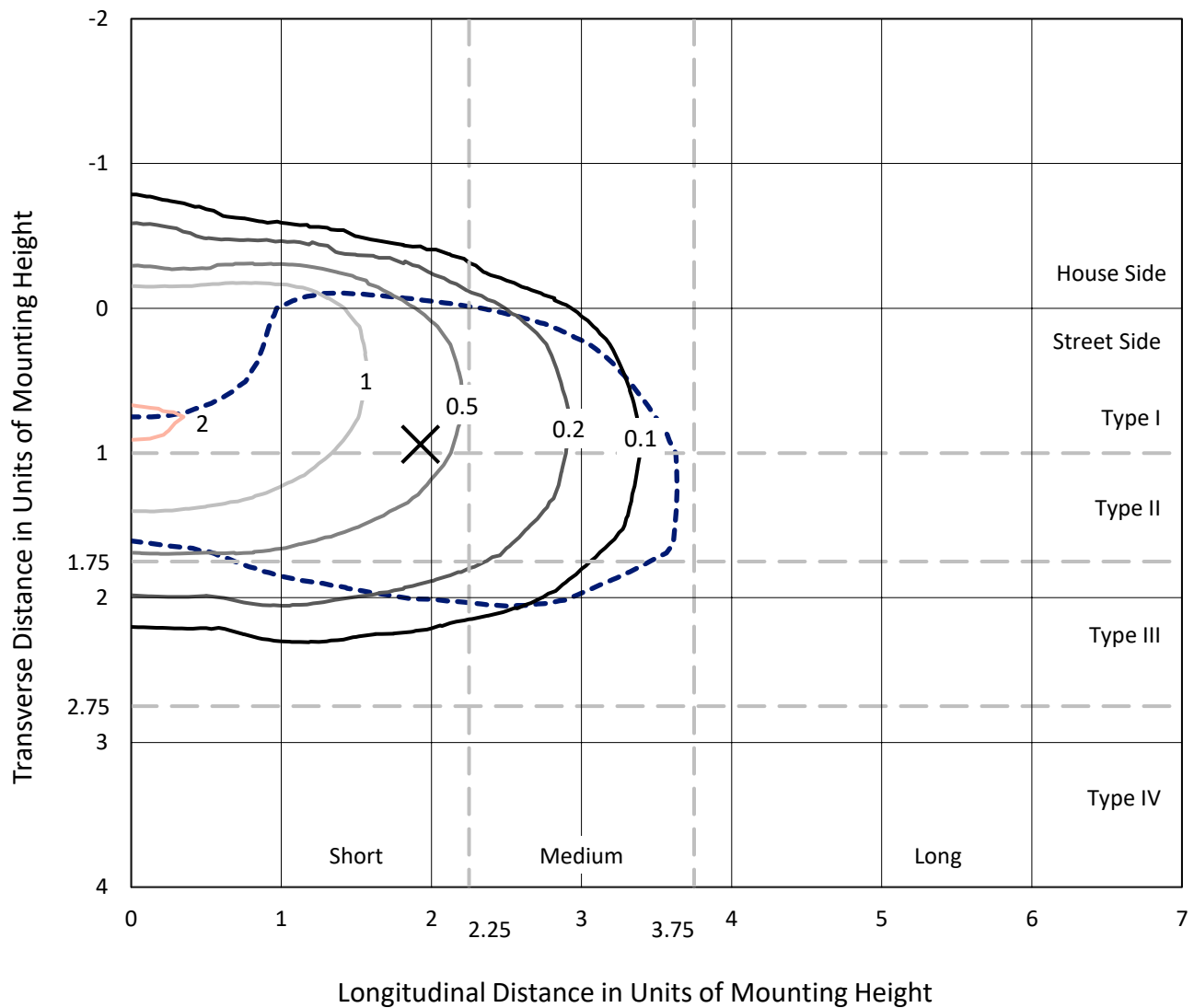


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

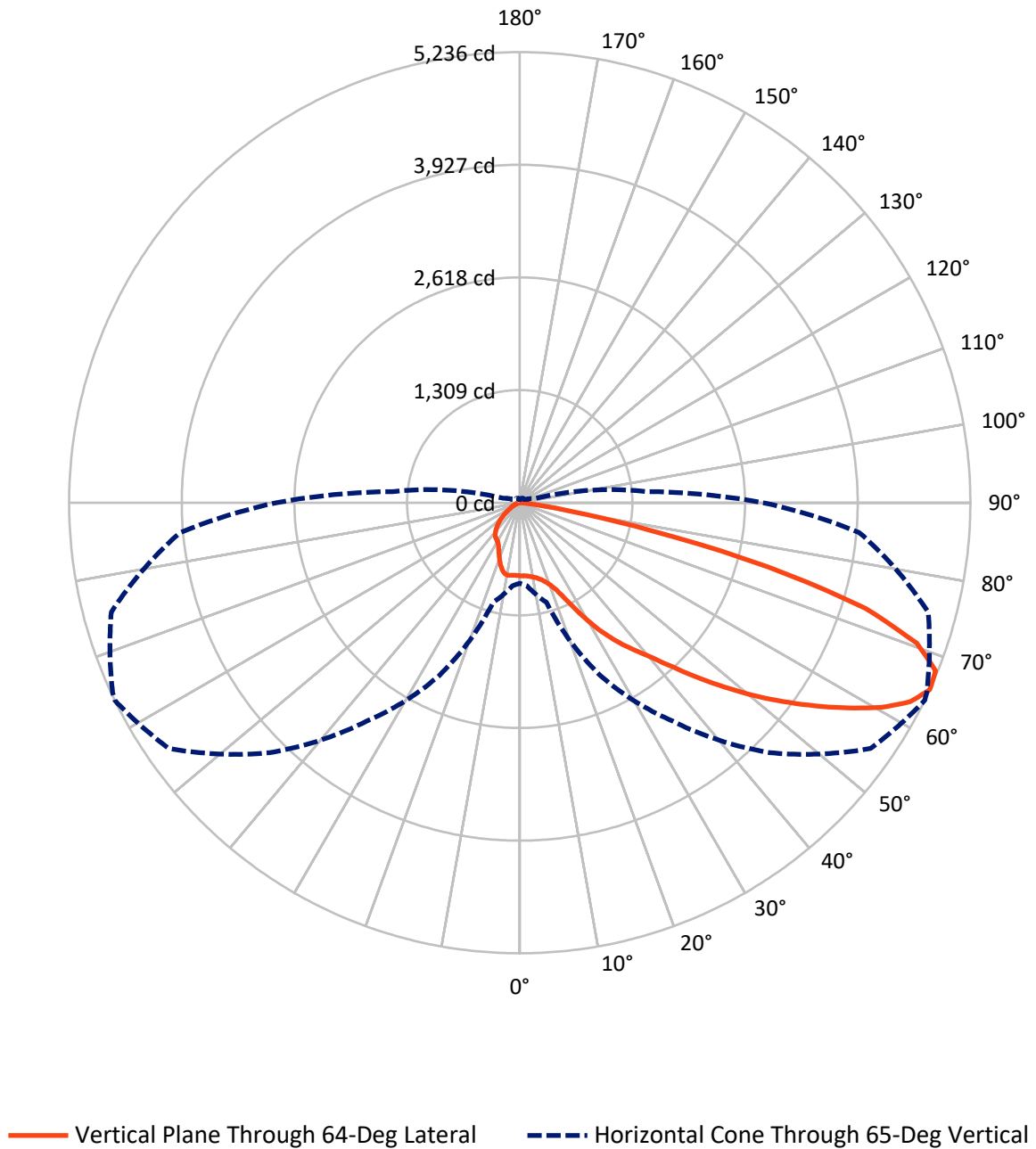


Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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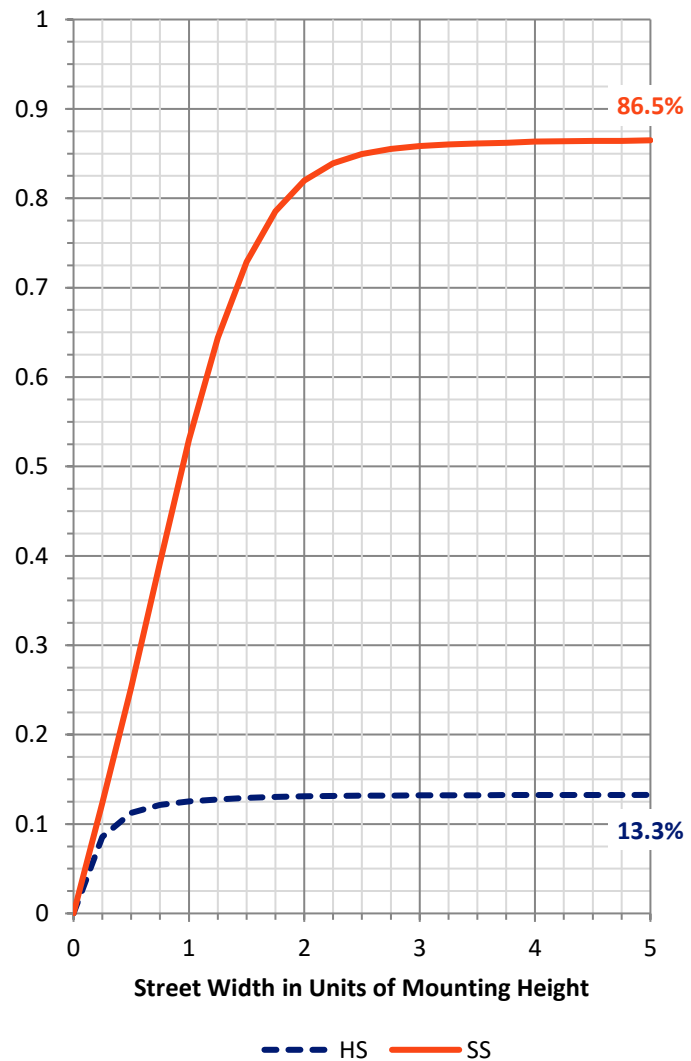
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	975.7	0.0	975.7
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	6320.3	0.0	6320.3
	% Fixture	86.6	0.0	86.6
Total	Lumens	7296.0	0.0	7296.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.3	1.1
10°-20°	212.4	2.9
20°-30°	402.4	5.5
30°-40°	814.2	11.2
40°-50°	1387.1	19.0
50°-60°	1886.3	25.9
60°-70°	1771.3	24.3
70°-80°	709.7	9.7
80°-90°	34.4	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°	7296.0	100.0
0°-180°	7296.0	100.0

Coefficient of Utilization



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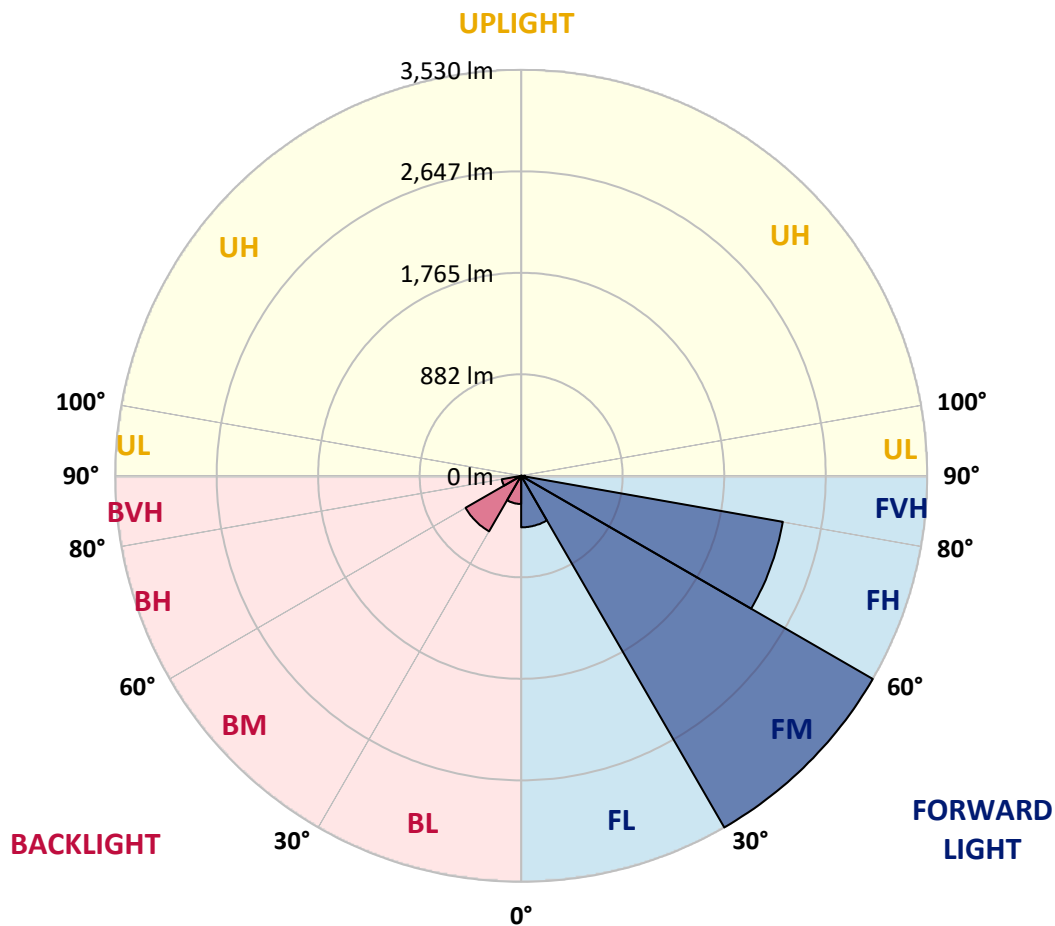
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	448.1	6.1			
FM	(30°-60°)	3529.8	48.4			
FH	(60°-80°)	2309.7	31.7			G2/5000
FVH	(80°-90°)	32.7	0.4			G1/100
BL	(0°-30°)	245.0	3.4	B1/500		
BM	(30°-60°)	557.8	7.6	B1/1000		
BH	(60°-80°)	171.2	2.3	B1/500		G1/500
BVH	(80°-90°)	1.7	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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	848.6	848.6	848.6	848.6	848.6	848.6	848.6	848.6	848.6	848.6	848.6
2.5°	845.7	851.5	850.1	848.6	848.1	849.1	849.6	849.1	849.1	849.1	849.6
5°	829.5	834.4	834.4	837.8	842.7	848.6	853.0	854.0	855.0	856.4	855.9
7.5°	798.7	802.6	805.6	816.8	829.0	844.7	857.9	864.7	865.7	871.1	873.1
10°	777.7	782.6	787.5	799.2	816.8	840.3	862.8	879.4	881.9	894.6	900.4
12.5°	776.7	781.6	788.0	800.7	821.2	846.2	873.5	897.5	901.9	920.5	932.7
15°	787.0	792.8	798.7	814.4	836.4	866.7	896.0	925.9	930.3	956.7	969.9
17.5°	808.0	815.8	820.2	835.9	859.4	893.1	931.7	966.0	969.9	1000.7	1017.3
20°	849.6	858.9	860.3	873.1	896.0	932.2	978.2	1020.8	1025.7	1060.9	1079.5
22.5°	935.7	948.9	937.1	943.5	964.0	1000.2	1050.1	1103.9	1110.8	1150.9	1167.5
25°	1087.3	1105.9	1075.5	1064.8	1073.6	1111.3	1173.9	1241.8	1249.7	1281.9	1290.3
27.5°	1385.2	1361.2	1315.2	1270.2	1243.8	1265.3	1335.8	1419.9	1429.7	1461.0	1451.2
30°	1712.4	1691.3	1629.2	1529.4	1466.8	1463.4	1528.5	1622.4	1633.6	1663.5	1633.6
32.5°	2040.1	2020.0	1952.5	1829.7	1721.2	1667.4	1712.4	1816.5	1822.4	1841.5	1797.5
35°	2362.4	2341.8	2274.3	2148.6	2015.1	1892.8	1884.0	2001.4	2003.4	2023.4	1957.9
37.5°	2686.7	2669.5	2597.6	2474.4	2342.8	2174.1	2092.4	2176.5	2179.0	2198.5	2130.5
40°	2918.0	2925.3	2875.9	2780.6	2667.6	2483.2	2326.2	2362.9	2348.2	2381.0	2340.4
42.5°	3116.6	3131.3	3088.2	3040.3	2974.7	2812.4	2615.7	2609.4	2585.9	2603.5	2561.5
45°	3288.3	3300.5	3261.9	3250.6	3249.1	3135.2	2932.2	2894.0	2861.3	2857.9	2807.5
47.5°	3351.4	3374.8	3391.5	3429.1	3502.5	3454.6	3259.4	3200.2	3163.5	3136.6	3056.9
50°	3375.3	3400.3	3457.0	3566.6	3740.2	3760.7	3585.2	3518.6	3473.6	3424.7	3307.3
52.5°	3343.0	3387.6	3463.9	3648.2	3900.1	4006.3	3897.7	3839.5	3788.1	3708.4	3534.3
55°	3152.8	3197.3	3353.3	3647.3	3979.9	4178.4	4193.1	4167.2	4109.5	3983.8	3717.7
57.5°	2751.7	2817.7	3064.7	3523.0	3978.4	4326.6	4482.7	4501.3	4436.7	4256.7	3862.0
60°	2196.1	2285.6	2586.9	3247.7	3855.6	4406.9	4736.5	4829.4	4761.0	4525.7	3978.9
62.5°	1532.4	1636.1	1921.2	2816.3	3574.9	4349.1	4921.9	5093.6	5041.7	4766.3	4023.9
65°	934.7	967.9	1197.8	2216.1	3097.5	4107.5	4979.1	5236.4	5219.3	4913.6	3957.4
67.5°	622.6	650.5	716.5	1519.7	2404.4	3624.8	4842.2	5211.4	5216.3	4889.6	3713.8
70°	375.1	399.1	442.2	883.8	1558.3	2869.1	4418.1	4893.5	4921.9	4569.2	3252.1
72.5°	154.6	170.7	209.8	400.6	807.0	1820.9	3518.1	4201.4	4267.5	3841.9	2495.9
75°	87.6	95.9	123.3	201.0	350.2	848.6	2131.0	2982.6	3079.9	2648.0	1501.6
77.5°	58.2	62.1	79.7	130.1	197.1	289.6	910.7	1553.9	1739.8	1446.3	650.0
80°	39.1	42.6	54.8	87.1	128.1	124.2	290.0	575.7	708.2	496.9	158.5
82.5°	26.4	26.9	39.1	57.2	81.2	60.2	85.6	179.0	225.0	143.8	60.2
85°	15.2	14.7	28.9	33.3	36.2	24.9	25.9	53.8	70.4	60.6	34.2
87.5°	2.0	2.9	11.2	8.8	4.9	5.4	5.4	9.3	13.7	14.7	7.3
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°	848.6	848.6	848.6	848.6	848.6	848.6	848.6	848.6	848.6	848.6	848.6
2.5°	849.6	849.1	847.6	846.2	842.7	840.8	841.8	840.8	840.3	840.8	842.7
5°	855.9	854.5	850.6	845.7	838.8	830.5	825.1	817.3	810.0	805.6	806.5
7.5°	873.1	871.6	866.2	852.5	830.5	795.8	764.0	736.1	715.1	702.8	703.3
10°	900.4	898.0	889.7	859.4	801.6	725.8	662.7	610.4	576.2	560.0	558.6
12.5°	932.7	929.8	915.1	853.0	746.9	628.5	541.4	483.2	451.4	437.3	435.8
15°	970.9	967.0	938.1	822.7	667.1	520.9	441.2	397.6	377.1	364.4	364.9
17.5°	1018.3	1011.5	955.2	777.2	580.6	438.7	379.5	346.8	328.7	316.5	315.5
20°	1079.9	1068.7	968.9	722.9	500.8	386.9	338.0	310.6	296.9	286.1	284.2
22.5°	1166.0	1149.9	985.6	664.2	444.6	351.2	307.2	287.1	275.9	263.6	261.7
25°	1272.7	1253.6	1006.1	609.9	406.0	320.4	284.7	268.0	254.8	240.6	239.2
27.5°	1421.8	1387.6	1030.5	565.4	372.7	294.0	264.1	245.5	230.4	218.6	216.2
30°	1588.1	1531.9	1052.1	538.5	342.4	269.5	237.2	218.6	204.4	196.1	194.7
32.5°	1745.6	1669.3	1066.3	526.8	315.0	241.6	207.9	187.8	177.1	174.6	176.1
35°	1894.3	1793.6	1064.8	515.5	290.5	213.7	179.0	158.5	150.2	151.6	151.6
37.5°	2065.5	1926.1	1054.5	497.9	270.5	188.3	154.1	136.0	128.6	129.1	131.1
40°	2264.6	2079.2	1048.2	464.7	248.5	164.8	133.5	118.9	113.5	111.5	111.0
42.5°	2476.8	2227.4	1049.1	427.0	221.1	143.8	119.3	107.1	102.2	100.8	100.3
45°	2690.1	2368.7	1050.6	387.9	192.2	127.7	109.1	98.8	95.9	93.9	93.9
47.5°	2890.6	2489.1	1023.2	345.8	163.9	115.4	100.8	93.9	91.5	89.0	89.0
50°	3077.5	2569.3	957.2	296.9	141.4	105.6	94.4	89.5	87.1	84.6	84.6
52.5°	3222.7	2582.0	848.1	246.5	125.7	98.3	90.5	86.1	83.1	80.7	80.2
55°	3287.3	2502.3	693.1	199.6	113.5	92.0	86.6	82.2	78.7	76.3	75.8
57.5°	3270.7	2334.5	540.5	160.4	101.7	85.6	81.7	78.7	74.8	70.9	70.4
60°	3189.0	2110.0	407.4	133.5	91.0	78.7	76.3	73.9	68.5	62.6	61.6
62.5°	3047.6	1827.8	290.5	110.5	79.2	70.9	69.9	68.0	60.2	49.4	48.4
65°	2831.4	1484.9	195.6	92.0	68.0	62.1	62.6	59.2	48.9	36.7	35.7
67.5°	2515.5	1085.8	125.2	75.3	56.7	51.8	52.3	50.4	41.6	31.3	29.8
70°	2112.9	719.0	81.7	57.2	45.5	40.1	43.0	43.5	35.2	25.4	24.5
72.5°	1549.0	424.5	57.2	42.6	33.3	27.9	35.2	36.2	28.4	19.1	18.1
75°	882.8	201.5	43.0	30.8	20.5	19.6	27.4	27.4	19.6	12.7	11.7
77.5°	370.7	84.1	30.3	20.1	11.7	11.2	18.6	17.1	9.8	5.9	5.9
80°	107.1	37.7	16.1	9.8	4.9	4.4	7.3	5.4	2.4	1.0	1.0
82.5°	42.1	16.6	6.4	3.9	2.0	2.0	1.0	0.0	0.0	0.0	0.0
85°	24.9	6.8	2.9	1.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.4	1.5	1.0	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)