

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: P952393

Luminaire Tested: **GALN-SB6B-735-U-AFL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952393
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6B-735-U-AFL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34728 lumens
Efficiency: N/A
Efficacy: 157.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

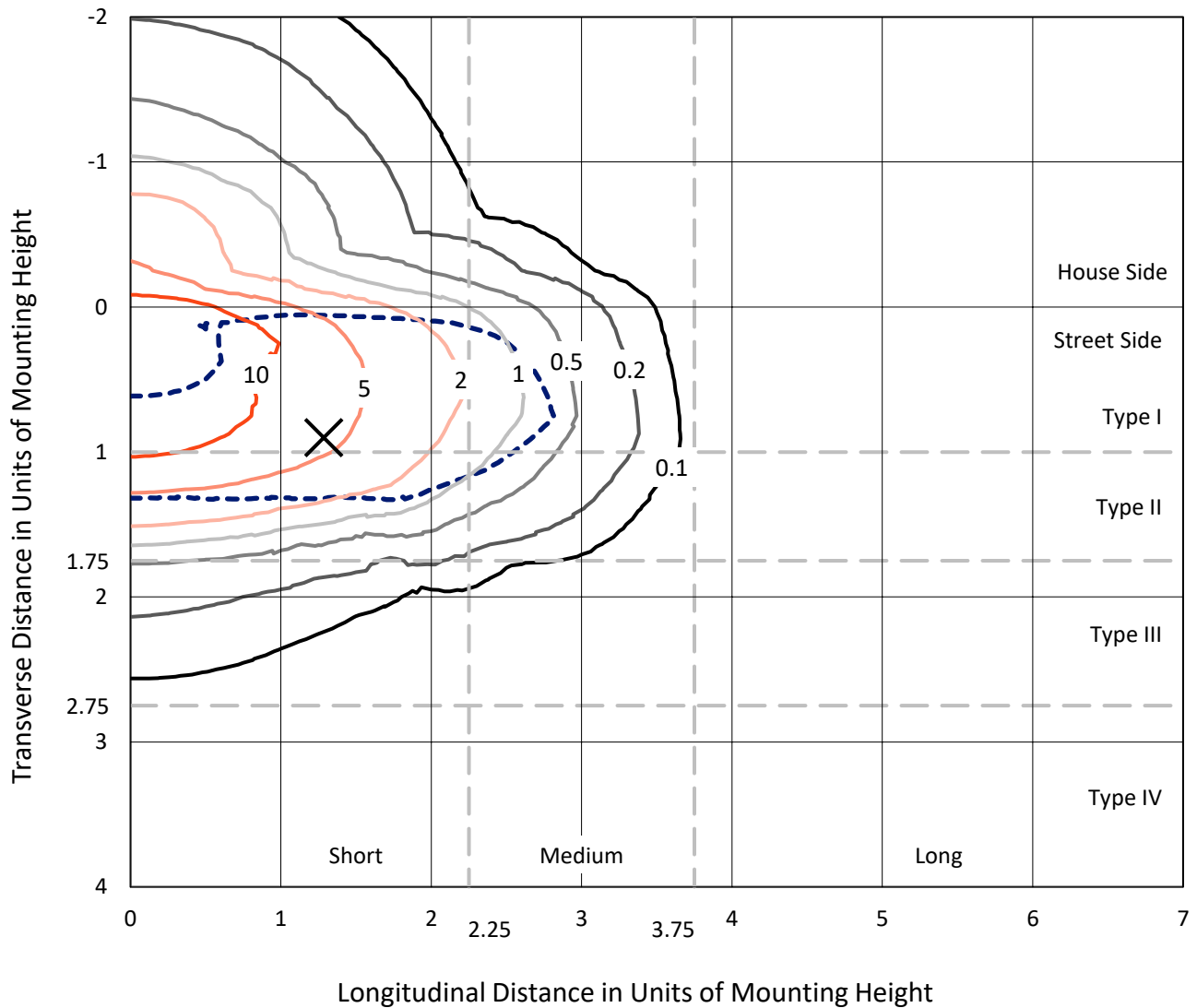
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P952393
 CATALOG NUMBER: GALN-SB6B-735-U-AFL

Iso-Footcandle Lines of Horizontal Illumination

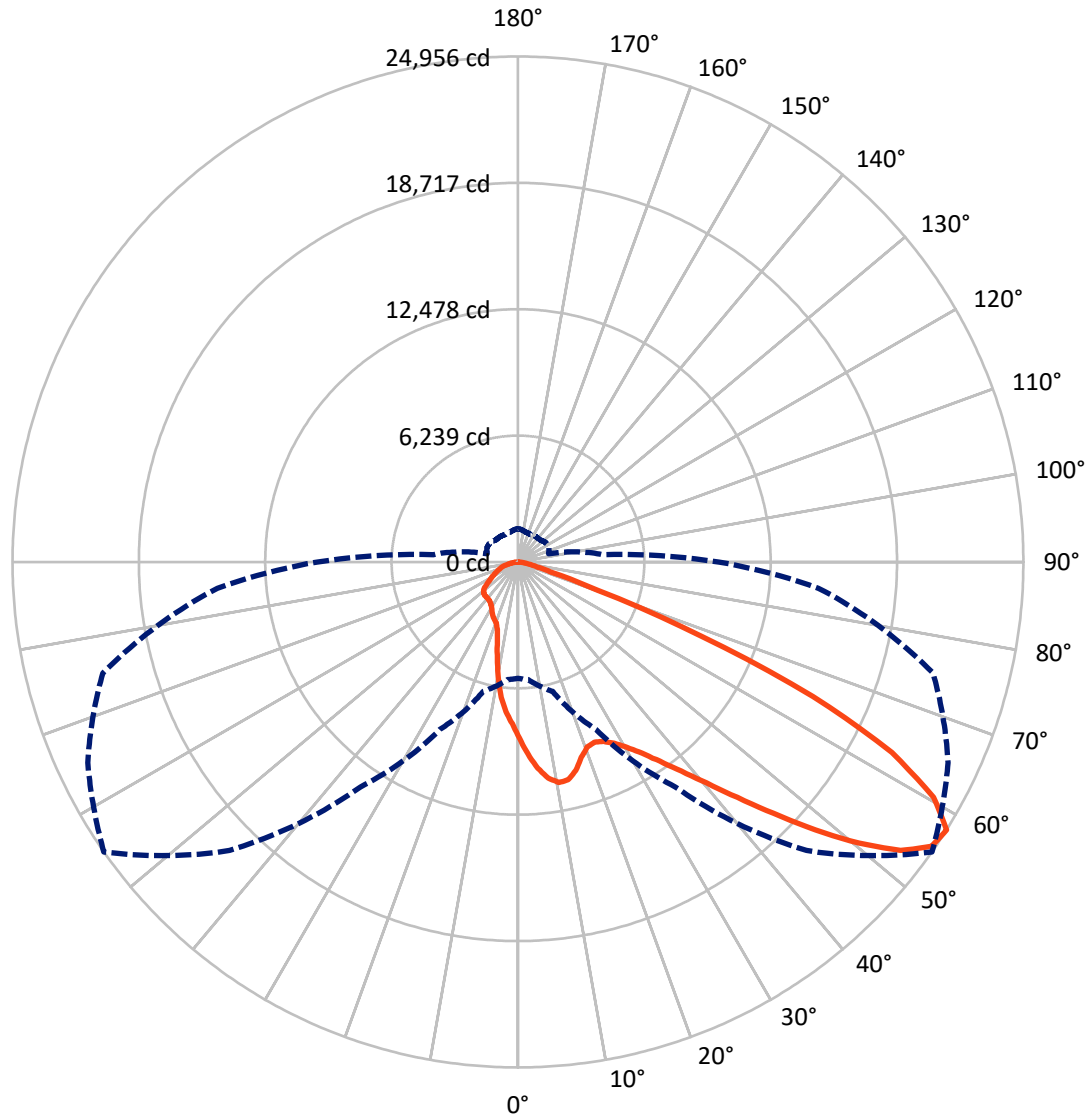
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.8 fc
 Type II - Short - N/A

REPORT NUMBER: P952393
CATALOG NUMBER: GALN-SB6B-735-U-AFL

Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P952393

CATALOG NUMBER: GALN-SB6B-735-U-AFL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6283.9	0.0	6283.9
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	28444.1	0.0	28444.1
	% Fixture	81.9	0.0	81.9
Total	Lumens	34728.0	0.0	34728.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	807.5	2.3
10°-20°	2038.1	5.9
20°-30°	3252.2	9.4
30°-40°	5149.0	14.8
40°-50°	7881.1	22.7
50°-60°	8441.4	24.3
60°-70°	5310.5	15.3
70°-80°	1570.4	4.5
80°-90°	277.7	0.8
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°	34728.0	100.0
0°-180°	34728.0	100.0

Coefficient of Utilization



REPORT NUMBER: P952393

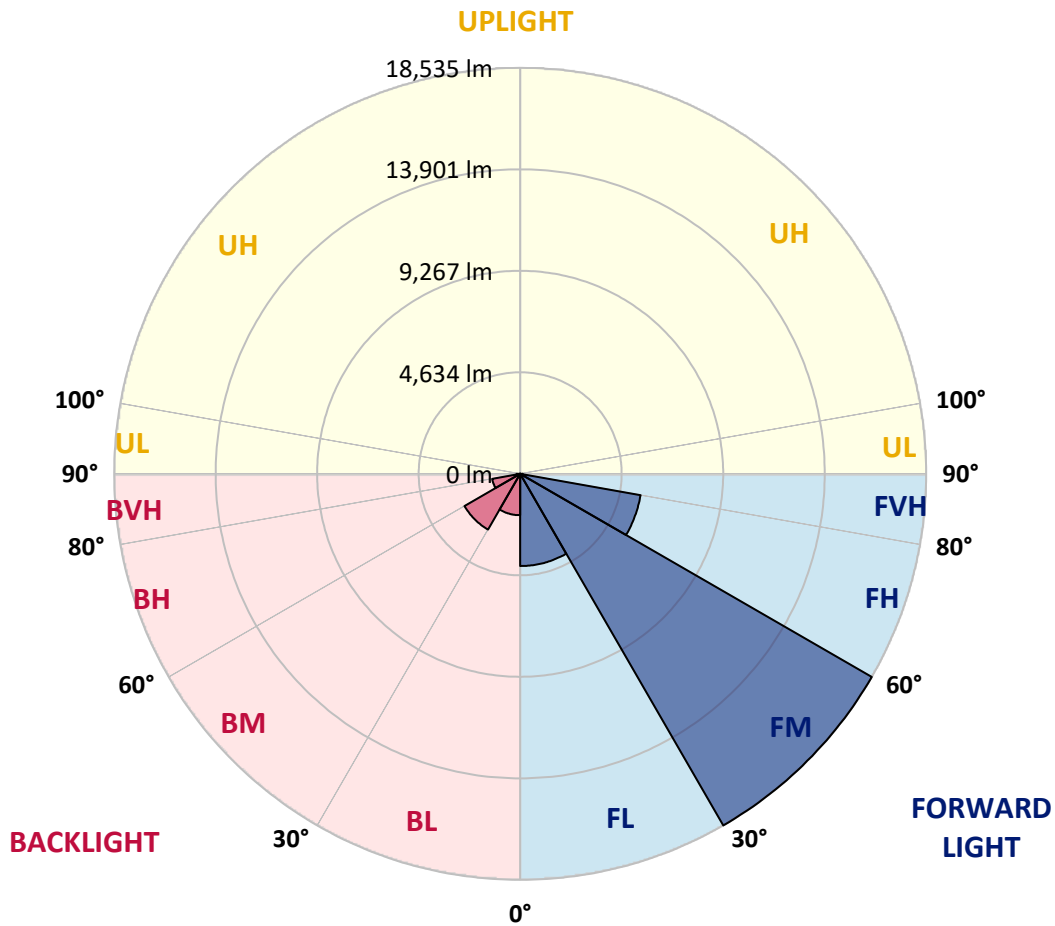
CATALOG NUMBER: GALN-SB6B-735-U-AFL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4209.0	12.1			
FM (30°-60°)	18534.6	53.4			
FH (60°-80°)	5583.2	16.1			G3/7500
FVH (80°-90°)	117.3	0.3			G2/225
BL (0°-30°)	1888.7	5.4	B3/2500		
BM (30°-60°)	2937.0	8.5	B3/5000		
BH (60°-80°)	1297.8	3.7	B3/2500		G3/2500
BVH (80°-90°)	160.4	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short



REPORT NUMBER: P952393
 CATALOG NUMBER: GALN-SB6B-735-U-AFL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8701.7	8701.7	8701.7	8701.7	8701.7	8701.7	8701.7	8701.7	8701.7	8701.7
2.5°	9983.5	9976.4	10015.9	9881.2	9789.6	9665.8	9502.4	9294.2	9069.7	8832.8
5°	10883.0	10820.1	10861.4	10760.9	10660.4	10473.6	10231.3	9892.0	9477.3	9005.1
7.5°	10741.1	10698.1	10804.0	10893.7	10969.1	10945.8	10768.1	10412.6	9877.6	9191.8
10°	9597.6	9549.1	9698.1	10008.7	10464.7	10861.4	11076.9	10856.0	10286.9	9396.5
12.5°	8588.6	8565.3	8664.0	8915.3	9421.6	10182.8	11037.4	11243.8	10712.4	9638.8
15°	8157.7	8129.0	8191.9	8319.3	8642.5	9351.6	10678.3	11509.5	11130.7	9918.9
17.5°	8062.6	8030.3	8057.2	8123.6	8331.9	8872.3	10136.1	11640.6	11567.0	10231.3
20°	8238.5	8211.6	8215.2	8211.6	8357.0	8786.1	9759.1	11590.3	11947.6	10518.5
22.5°	8664.0	8619.1	8620.9	8525.8	8604.8	8936.9	9660.4	11455.7	12286.9	10769.9
25°	9357.0	9276.2	9292.4	9050.0	9028.5	9274.4	9814.8	11351.5	12624.4	10970.9
27.5°	10304.9	10213.3	10164.9	9804.0	9631.7	9753.7	10129.0	11387.4	12944.0	11145.1
30°	11489.8	11378.5	11279.7	10768.1	10455.7	10410.8	10617.3	11624.4	13321.0	11328.2
32.5°	12942.2	12812.9	12633.4	11954.8	11514.9	11279.7	11249.2	12046.3	13762.6	11561.6
35°	14671.0	14502.3	14247.3	13369.4	12812.9	12331.8	12082.2	12654.9	14367.6	11913.5
37.5°	16451.9	16261.6	16028.2	14983.4	14299.4	13590.2	13098.3	13480.7	15173.7	12391.0
40°	18094.6	17881.0	17663.7	16733.8	15999.5	15145.0	14342.5	14525.6	16159.3	12961.9
42.5°	19064.1	18906.1	18823.5	18320.8	17753.5	16886.4	15890.0	15764.3	17267.0	13619.0
45°	19021.0	18956.3	19211.3	19419.5	19284.9	18803.7	17703.2	17134.1	18378.3	14188.1
47.5°	18004.8	18047.9	18617.0	19787.5	20302.8	20554.1	19767.8	18478.8	19344.1	14613.6
50°	15240.1	15276.0	16593.7	19117.9	20564.9	21981.4	21816.2	19791.1	20092.7	14873.9
52.5°	13051.7	13075.0	13640.5	17132.3	19699.6	22699.5	23661.8	21028.1	20640.3	14945.7
55°	9830.9	9911.7	10545.5	13441.2	17448.3	22130.4	24785.6	22302.7	20986.8	14952.9
57.5°	5743.1	5831.1	6613.8	9123.6	13561.5	20146.6	24956.2	23433.8	21222.0	14895.4
60°	2813.2	2850.9	3192.0	4795.2	8362.4	16324.5	23584.6	23981.3	21353.0	14864.9
62.5°	1895.8	1890.4	1904.8	2366.2	4120.2	10488.0	20726.5	23022.6	21283.0	14748.2
65°	1630.1	1610.4	1556.5	1660.6	2134.6	4797.0	16013.9	20161.0	20749.8	14455.6
67.5°	1409.3	1411.1	1412.9	1380.6	1524.2	2213.6	9786.1	15881.0	18836.1	13069.6
70°	1166.9	1183.1	1190.3	1190.3	1242.3	1452.4	4177.6	10884.8	14857.7	10247.4
72.5°	1062.8	1028.7	1032.3	1014.3	1014.3	1105.9	1682.2	6170.4	9360.6	5764.6
75°	867.1	888.7	892.3	879.7	838.4	843.8	998.2	2588.8	4005.3	2391.3
77.5°	748.6	748.6	755.8	746.8	714.5	631.9	666.0	1003.6	1362.6	980.2
80°	601.4	599.6	630.1	648.1	597.8	466.8	425.5	554.7	605.0	430.9
82.5°	292.6	310.6	432.7	493.7	454.2	337.5	260.3	344.7	323.1	190.3
85°	170.6	161.6	193.9	274.7	260.3	186.7	125.7	179.5	168.8	96.9
87.5°	53.9	50.3	39.5	93.4	75.4	52.1	34.1	52.1	46.7	21.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P952393
 CATALOG NUMBER: GALN-SB6B-735-U-AFL

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
8701.7	0°	8701.7	8701.7	8701.7	8701.7	8701.7	8701.7	8701.7	8701.7	8701.7	8701.7
8730.4	2.5°	8603.0	8391.1	8181.1	7989.0	7872.3	7796.9	7721.5	7637.1	7604.8	7556.3
8753.8	5°	8516.8	8107.5	7743.0	7428.9	7143.4	6919.0	6692.8	6509.7	6427.1	6482.7
8827.4	7.5°	8466.5	7874.1	7312.2	6735.9	6181.1	5737.7	5351.7	5080.6	4958.6	4989.1
8899.2	10°	8421.6	7610.2	6753.8	5843.6	5046.5	4497.2	4102.2	3895.8	3818.6	3834.7
8996.1	12.5°	8380.4	7314.0	6080.6	4883.2	4035.8	3673.1	3560.0	3561.8	3576.2	3587.0
9150.5	15°	8373.2	6956.7	5328.4	4043.0	3490.0	3466.7	3588.8	3666.0	3707.2	3719.8
9279.8	17.5°	8362.4	6529.4	4561.8	3470.3	3357.2	3515.2	3628.3	3678.5	3710.8	3712.6
9405.5	20°	8319.3	5987.3	3854.5	3197.4	3328.4	3464.9	3534.9	3574.4	3601.3	3610.3
9500.6	22.5°	8186.5	5384.0	3303.3	3075.3	3213.5	3323.1	3405.6	3450.5	3466.7	3477.5
9518.6	25°	7947.7	4709.0	2922.7	2958.6	3053.8	3192.0	3258.4	3267.4	3262.0	3278.2
9473.7	27.5°	7635.3	3985.5	2685.7	2800.6	2922.7	3041.2	3077.1	3071.7	3060.9	3078.9
9396.5	30°	7258.3	3335.6	2534.9	2622.9	2789.9	2897.6	2929.9	2917.3	2895.8	2915.5
9357.0	32.5°	6859.8	2804.2	2411.1	2499.0	2680.3	2786.3	2818.6	2806.0	2789.9	2806.0
9401.9	35°	6488.1	2432.6	2296.2	2416.4	2594.2	2698.3	2739.6	2741.4	2741.4	2761.1
9520.4	37.5°	6147.0	2215.4	2201.0	2364.4	2534.9	2628.3	2687.5	2691.1	2613.9	2619.3
9721.4	40°	5831.1	2123.8	2157.9	2330.3	2477.5	2567.2	2570.8	2369.8	2227.9	2224.3
9951.2	42.5°	5572.5	2105.9	2170.5	2326.7	2436.2	2439.8	2186.6	2030.5	1991.0	1992.8
10163.1	45°	5330.2	2100.5	2199.2	2326.7	2375.2	2107.7	1937.1	1895.8	1899.4	1913.8
10258.2	47.5°	5059.1	2078.9	2204.6	2294.4	2199.2	1874.3	1824.0	1806.0	1798.9	1802.5
10236.7	50°	4762.9	2001.7	2136.4	2229.7	1897.6	1773.7	1710.9	1705.5	1714.5	1719.9
10116.4	52.5°	4450.5	1876.1	2019.7	2113.0	1759.4	1685.8	1615.7	1628.3	1667.8	1680.4
9990.7	55°	4245.8	1728.9	1865.3	1879.7	1662.4	1603.2	1543.9	1572.7	1646.3	1669.6
9915.3	57.5°	4192.0	1572.7	1689.4	1673.2	1538.6	1531.4	1495.5	1520.6	1614.0	1648.1
9911.7	60°	4175.8	1432.6	1517.0	1504.4	1418.3	1452.4	1443.4	1456.0	1488.3	1499.1
9875.8	62.5°	4050.1	1321.3	1362.6	1344.7	1310.6	1369.8	1391.3	1364.4	1389.5	1402.1
9629.9	65°	3730.6	1231.6	1211.8	1199.2	1213.6	1267.5	1310.6	1256.7	1280.0	1315.9
8682.0	67.5°	3202.8	1109.5	1055.6	1070.0	1114.9	1143.6	1199.2	1138.2	1158.0	1219.0
6992.6	70°	2590.6	955.1	906.6	947.9	991.0	1050.2	1059.2	1017.9	1064.6	1132.8
4267.4	72.5°	1833.0	798.9	764.8	849.2	863.5	940.7	921.0	901.2	965.9	989.2
2109.5	75°	1271.1	644.5	624.8	689.4	741.4	807.9	793.5	816.9	953.3	964.1
1053.8	77.5°	804.3	500.9	488.3	529.6	601.4	675.0	698.4	964.1	1628.3	1692.9
547.6	80°	466.8	373.4	359.1	391.4	454.2	522.4	673.2	1183.1	1073.6	1061.0
246.0	82.5°	260.3	256.7	238.8	247.7	303.4	377.0	951.5	833.0	676.8	698.4
98.7	85°	122.1	150.8	129.3	123.9	170.6	441.6	635.5	475.7	316.0	308.8
21.5	87.5°	32.3	28.7	28.7	32.3	71.8	380.6	253.1	202.9	120.3	116.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF RI

