

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: P940414

Luminaire Tested: **GALN-SB3C-722-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940414
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-SB3C-722-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 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: 13555 lumens
Efficiency: N/A
Efficacy: 90.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 149.1
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



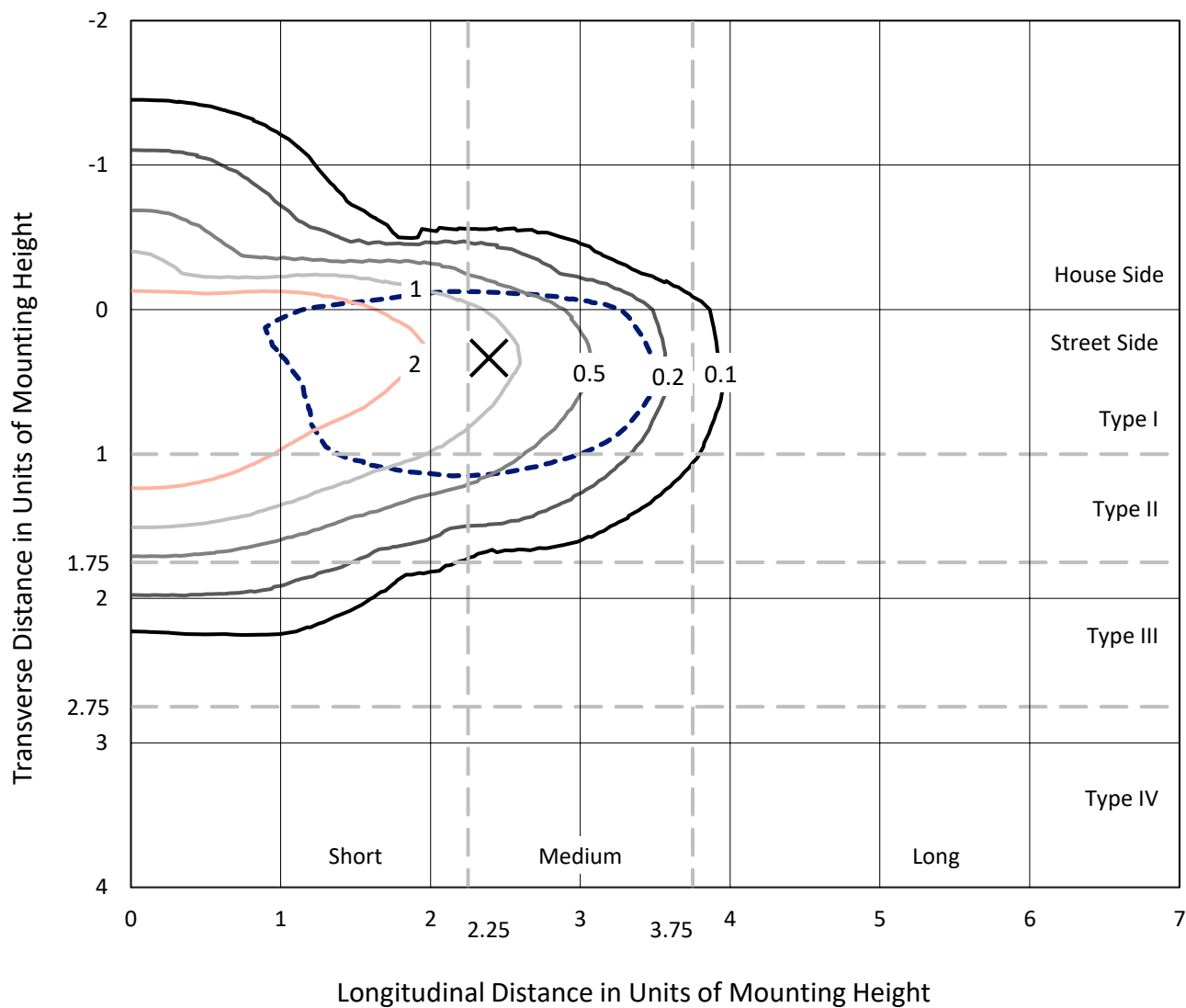
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Iso-Footcandle Lines of Horizontal Illumination

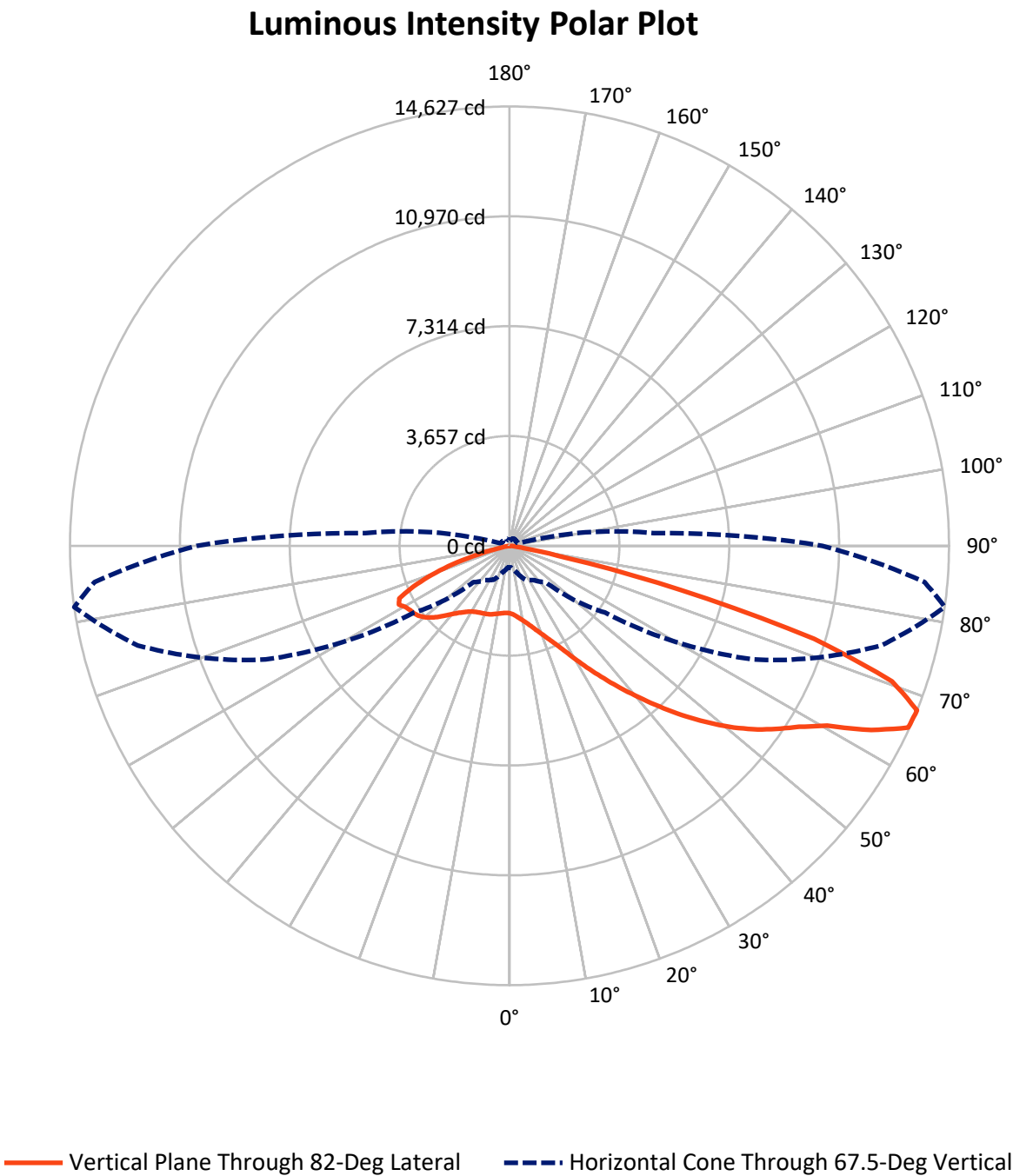
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type II - Medium - N/A

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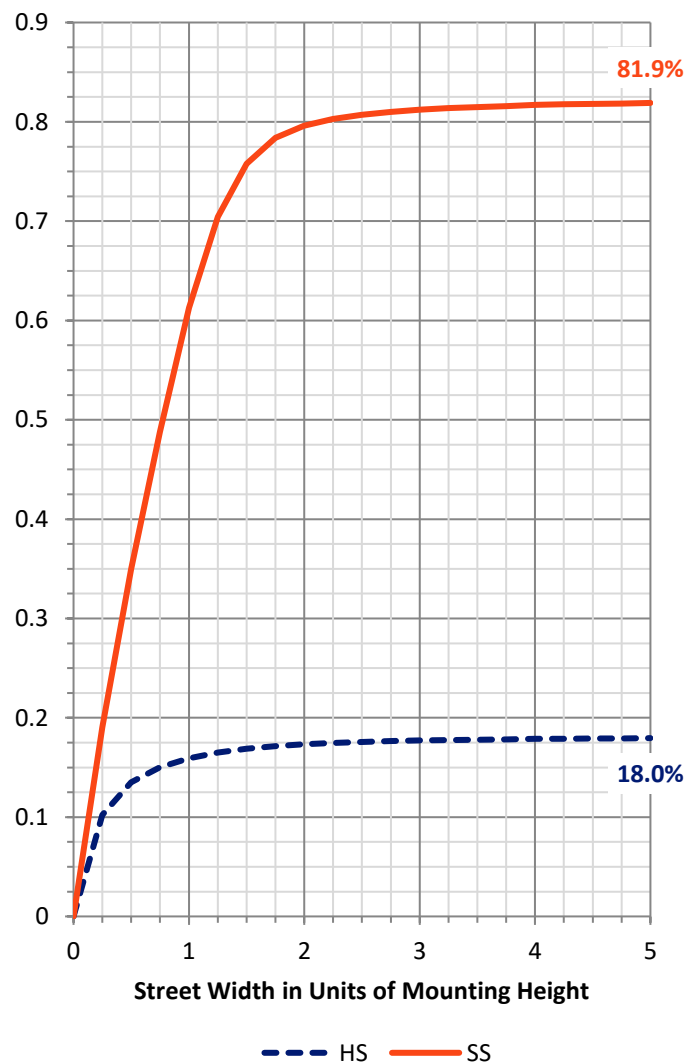
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2455.4	0.0	2455.4
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	11099.6	0.0	11099.6
	% Fixture	81.9	0.0	81.9
Total	Lumens	13555.0	0.0	13555.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.1	1.5
10°-20°	519.9	3.8
20°-30°	832.7	6.1
30°-40°	1472.5	10.9
40°-50°	2579.9	19.0
50°-60°	3440.9	25.4
60°-70°	3203.3	23.6
70°-80°	1229.4	9.1
80°-90°	76.4	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°	13555.0	100.0
0°-180°	13555.0	100.0

Coefficient of Utilization



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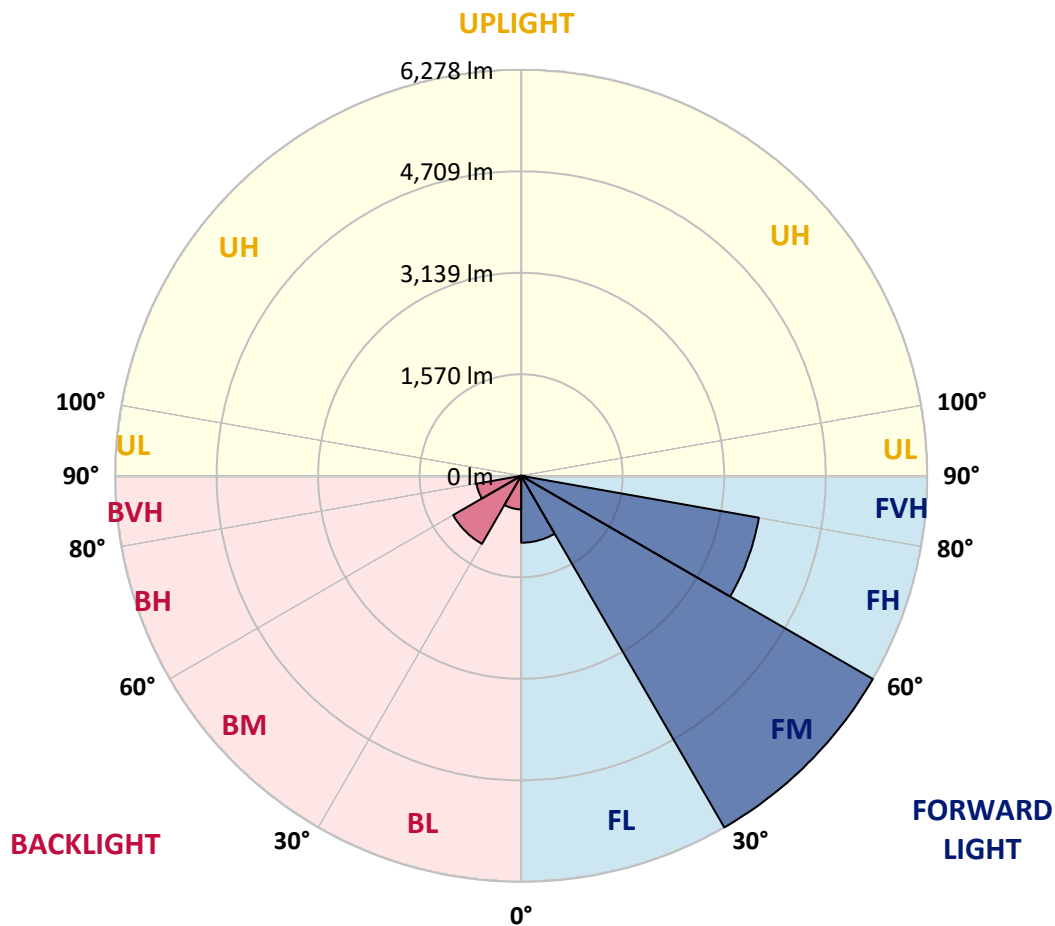
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1034.1	7.6			
FM	(30°-60°)	6278.1	46.3			
FH	(60°-80°)	3731.9	27.5			G2/5000
FVH	(80°-90°)	55.5	0.4			G1/100
BL	(0°-30°)	518.6	3.8	B2/1000		
BM	(30°-60°)	1215.1	9.0	B2/2500		
BH	(60°-80°)	700.8	5.2	B2/1000		G2/1000
BVH	(80°-90°)	20.8	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	2245.6	2245.6	2245.6	2245.6	2245.6	2245.6	2245.6	2245.6	2245.6	2245.6	2245.6
2.5°	2373.5	2387.1	2379.3	2375.4	2368.6	2358.8	2351.0	2326.6	2301.2	2284.6	2278.8
5°	2421.3	2434.9	2434.0	2437.9	2442.7	2445.7	2443.7	2416.4	2380.3	2352.0	2335.4
7.5°	2380.3	2395.9	2408.6	2428.1	2462.3	2498.4	2515.9	2510.1	2473.0	2434.0	2413.5
10°	2264.1	2280.7	2311.0	2356.9	2429.1	2507.2	2572.5	2602.8	2579.4	2536.4	2508.1
12.5°	2051.4	2068.0	2127.5	2227.1	2348.1	2483.7	2608.6	2689.7	2695.5	2652.6	2619.4
15°	1812.3	1828.9	1892.3	2017.2	2201.7	2419.3	2628.2	2781.4	2833.1	2796.0	2756.0
17.5°	1664.0	1678.6	1726.4	1826.9	2019.2	2290.5	2621.3	2879.0	2997.1	2967.8	2920.0
20°	1619.1	1631.7	1654.2	1724.5	1884.5	2156.8	2576.4	2970.7	3173.7	3157.1	3103.4
22.5°	1666.9	1678.6	1685.4	1716.7	1817.2	2069.0	2519.8	3064.4	3378.7	3380.6	3315.2
25°	1777.2	1788.9	1781.1	1800.6	1844.5	2041.6	2498.4	3174.7	3636.3	3657.8	3583.6
27.5°	1958.7	1959.7	1941.1	1940.1	1947.0	2082.6	2520.8	3292.8	3961.3	4001.3	3909.6
30°	2322.7	2308.1	2236.8	2159.7	2124.6	2205.6	2583.3	3432.3	4344.8	4416.1	4300.9
32.5°	2883.9	2862.4	2731.6	2547.2	2361.7	2403.7	2695.5	3591.4	4762.5	4891.3	4750.8
35°	3492.8	3487.0	3350.4	3076.1	2752.1	2685.7	2878.0	3800.3	5218.3	5423.2	5256.3
37.5°	4058.9	4055.9	3977.9	3654.8	3260.6	3079.0	3170.8	4073.5	5706.2	6002.9	5805.8
40°	4576.1	4584.9	4506.8	4218.0	3820.7	3583.6	3569.0	4411.2	6248.9	6634.3	6400.1
42.5°	5023.1	5032.8	4953.8	4740.1	4374.1	4141.8	4057.9	4825.0	6778.8	7312.6	7035.4
45°	5326.6	5387.1	5375.4	5204.6	4942.1	4701.0	4645.4	5344.2	7382.9	8031.9	7706.9
47.5°	5412.5	5468.1	5555.9	5579.4	5419.3	5182.2	5248.5	5969.7	7993.8	8752.1	8382.2
50°	5200.7	5252.4	5434.9	5677.9	5789.2	5716.0	5835.1	6640.2	8619.4	9470.4	9044.9
52.5°	4783.0	4835.7	5066.0	5450.5	5904.3	6134.7	6423.5	7300.9	9225.4	10150.6	9672.4
55°	4178.9	4234.5	4530.2	4965.5	5684.8	6307.4	6914.4	7960.6	9780.7	10762.5	10238.4
57.5°	3357.2	3398.2	3705.6	4314.6	5132.4	6135.6	7276.5	8680.9	10303.8	11363.7	10799.6
60°	2188.0	2224.1	2581.3	3260.6	4217.0	5561.8	7348.7	9484.0	10998.7	12145.4	11555.9
62.5°	1455.1	1479.5	1691.3	2190.0	2969.7	4460.0	6926.1	10125.2	12017.5	13505.8	12852.9
65°	998.4	1022.8	1234.5	1582.0	1918.7	2950.2	5711.1	10040.3	12940.8	14586.2	13814.2
67.5°	712.4	732.9	912.5	1240.4	1388.7	1713.7	3871.5	8955.1	12808.0	14627.2	13866.0
70°	510.4	522.1	670.5	966.2	1103.8	1029.6	2152.9	6849.0	11214.4	13506.8	12810.0
72.5°	357.2	361.1	465.5	735.8	889.1	751.5	1024.7	4566.4	8481.8	10601.5	9931.0
75°	242.0	246.9	313.3	539.7	713.4	573.8	542.6	2448.6	4979.2	5868.2	5260.2
77.5°	148.3	150.3	202.0	368.9	533.8	437.2	349.4	1037.4	1926.5	1891.3	1612.2
80°	83.9	83.9	128.8	229.3	364.0	282.0	245.0	441.1	610.0	535.8	472.3
82.5°	46.8	47.8	93.7	142.5	241.1	166.9	134.7	204.0	263.5	233.2	203.0
85°	19.5	21.5	57.6	67.3	115.2	83.0	54.7	85.9	97.6	86.9	63.4
87.5°	2.0	2.9	17.6	12.7	13.7	16.6	7.8	16.6	13.7	13.7	9.8
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°	2245.6	2245.6	2245.6	2245.6	2245.6	2245.6	2245.6	2245.6	2245.6	2245.6	2245.6
2.5°	2260.2	2245.6	2208.5	2165.6	2109.0	2081.6	2044.6	2019.2	1997.7	1999.7	1980.2
5°	2304.2	2267.1	2184.1	2080.7	1951.9	1860.1	1762.5	1695.2	1640.5	1628.8	1602.5
7.5°	2364.7	2306.1	2160.7	1974.3	1756.7	1591.7	1444.4	1349.7	1282.4	1260.9	1239.4
10°	2442.7	2357.8	2130.4	1840.6	1527.3	1317.5	1159.4	1085.2	1039.4	1023.7	1012.0
12.5°	2533.5	2417.4	2090.4	1677.6	1291.1	1089.1	988.6	951.5	936.9	932.0	929.1
15°	2647.7	2491.5	2029.9	1484.4	1091.1	949.6	906.6	901.8	903.7	901.8	900.8
17.5°	2783.3	2572.5	1931.4	1285.3	956.4	878.3	862.7	866.6	871.5	870.5	868.6
20°	2931.7	2652.6	1805.5	1108.7	864.7	827.6	818.8	822.7	826.6	824.7	823.7
22.5°	3100.5	2738.4	1665.9	971.0	803.2	780.7	771.0	772.0	772.0	768.1	766.1
25°	3302.5	2833.1	1519.5	873.5	756.3	738.8	727.1	723.2	717.3	705.6	703.6
27.5°	3543.6	2933.6	1379.0	805.1	719.3	702.7	689.0	679.2	664.6	645.1	643.1
30°	3814.9	3055.6	1259.9	762.2	690.0	673.4	657.8	643.1	621.7	597.3	595.3
32.5°	4134.0	3186.4	1173.1	733.9	663.6	646.1	627.5	610.0	586.5	562.1	563.1
35°	4514.6	3344.5	1122.3	714.4	643.1	619.7	599.2	579.7	562.1	540.7	538.7
37.5°	4927.4	3512.4	1106.7	704.6	629.5	593.4	569.9	556.3	554.3	541.6	540.7
40°	5379.3	3711.4	1118.4	698.8	614.8	568.0	542.6	539.7	544.6	522.1	523.1
42.5°	5857.5	3947.6	1137.9	691.9	594.3	542.6	518.2	518.2	514.3	483.1	483.1
45°	6374.7	4219.9	1157.4	675.3	569.9	517.2	498.7	491.9	475.3	445.0	444.0
47.5°	6895.9	4497.1	1172.1	645.1	540.7	495.8	479.2	463.6	439.2	411.8	410.9
50°	7390.7	4745.9	1156.5	600.2	507.5	475.3	457.7	436.2	409.9	391.3	388.4
52.5°	7832.8	4961.6	1090.1	547.5	472.3	453.8	438.2	415.7	394.3	374.8	372.8
55°	8217.3	5136.3	973.0	497.7	441.1	435.3	419.6	391.3	362.1	345.5	343.5
57.5°	8586.2	5269.0	826.6	456.7	412.8	414.8	391.3	366.0	338.6	321.1	319.1
60°	9077.1	5446.6	678.3	418.7	382.6	388.4	363.0	344.5	310.3	287.9	285.0
62.5°	9861.7	5722.8	538.7	371.8	347.4	349.4	338.6	316.2	275.2	248.9	246.9
65°	10484.4	5621.3	424.5	321.1	307.4	310.3	310.3	285.9	242.0	211.8	208.8
67.5°	10414.1	4813.3	338.6	271.3	269.4	271.3	278.1	257.6	214.7	190.3	186.4
70°	9593.3	3828.6	271.3	225.4	234.2	229.3	248.9	235.2	193.2	168.8	165.9
72.5°	7827.9	2758.0	206.9	186.4	179.6	187.4	224.5	211.8	161.0	133.7	130.8
75°	4574.2	1471.7	154.2	147.4	129.8	156.1	199.1	180.5	123.0	98.6	95.6
77.5°	1489.3	513.3	113.2	108.3	96.6	125.9	169.8	152.2	100.5	78.1	75.1
80°	399.2	155.2	77.1	71.2	62.5	93.7	134.7	121.0	72.2	50.7	49.8
82.5°	160.1	65.4	44.9	40.0	34.2	64.4	106.4	97.6	53.7	32.2	32.2
85°	51.7	21.5	16.6	12.7	15.6	40.0	63.4	66.4	38.1	16.6	12.7
87.5°	6.8	2.9	2.9	3.9	2.9	6.8	19.5	18.5	10.7	2.0	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)