

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: P953060

Luminaire Tested: **GALN-SB6D-722-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953060
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6D-722-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39266 lumens
Efficiency: N/A
Efficacy: 89.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

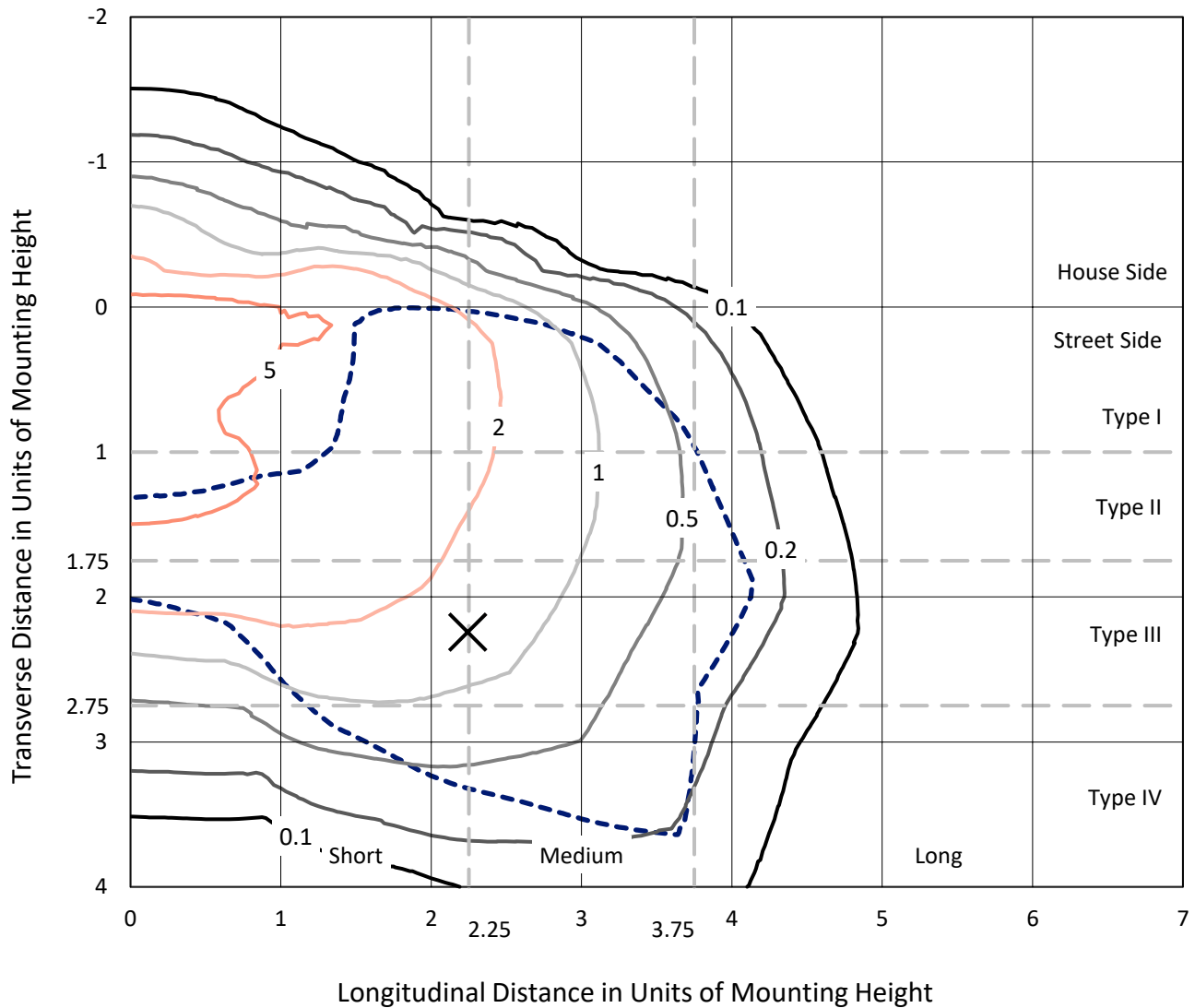
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

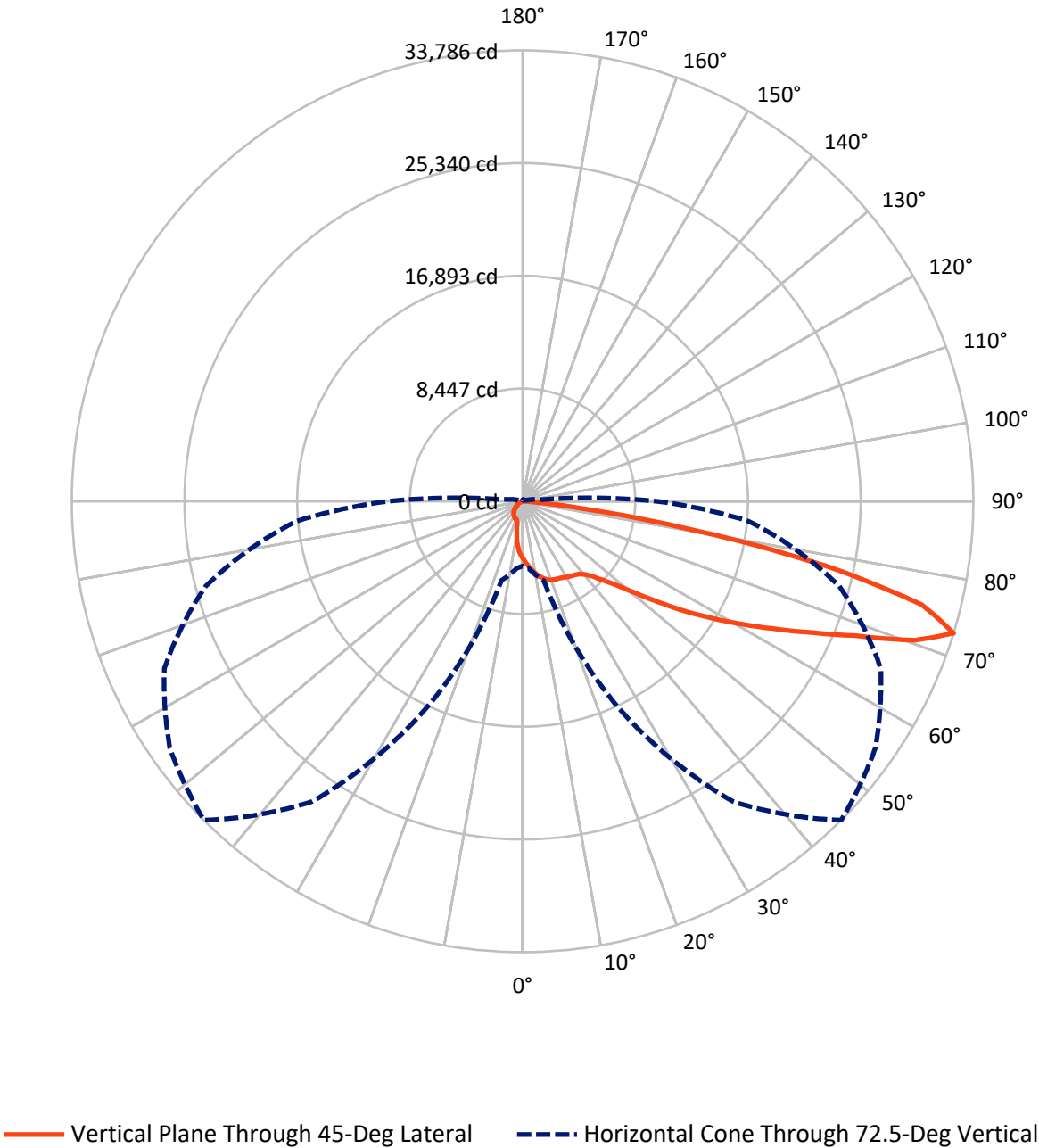
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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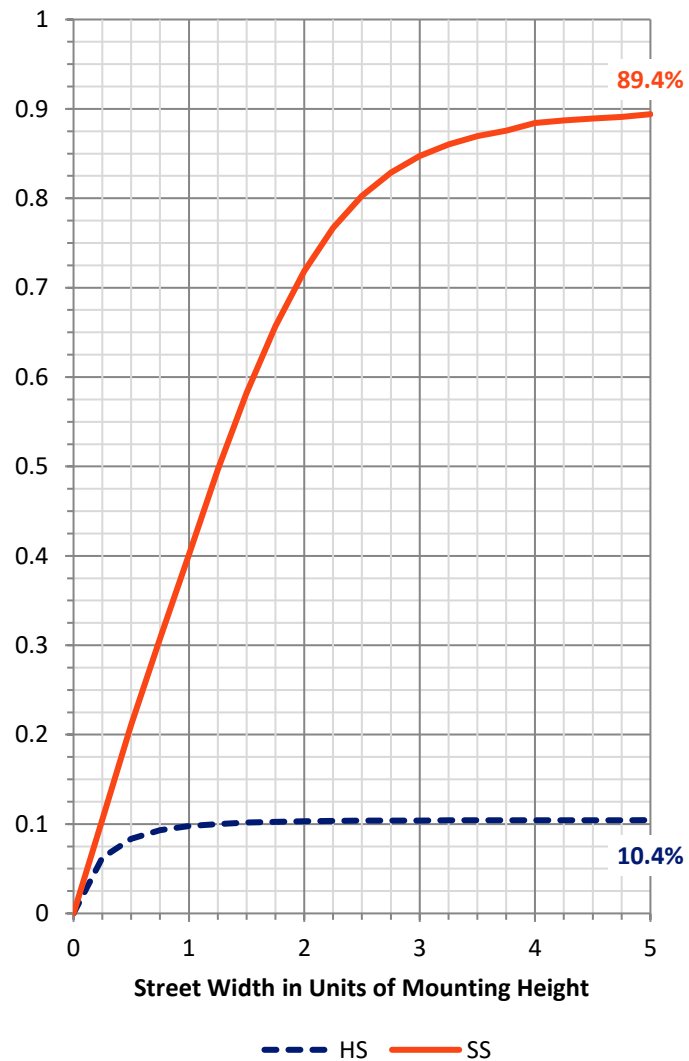
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4125.8	0.0	4125.8
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	35140.2	0.0	35140.2
	% Fixture	89.5	0.0	89.5
Total	Lumens	39266.0	0.0	39266.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	405.3	1.0
10°-20°	1184.5	3.0
20°-30°	1945.2	5.0
30°-40°	2758.7	7.0
40°-50°	4559.9	11.6
50°-60°	8191.3	20.9
60°-70°	11374.1	29.0
70°-80°	8250.4	21.0
80°-90°	596.5	1.5
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°	39266.0	100.0
0°-180°	39266.0	100.0

Coefficient of Utilization



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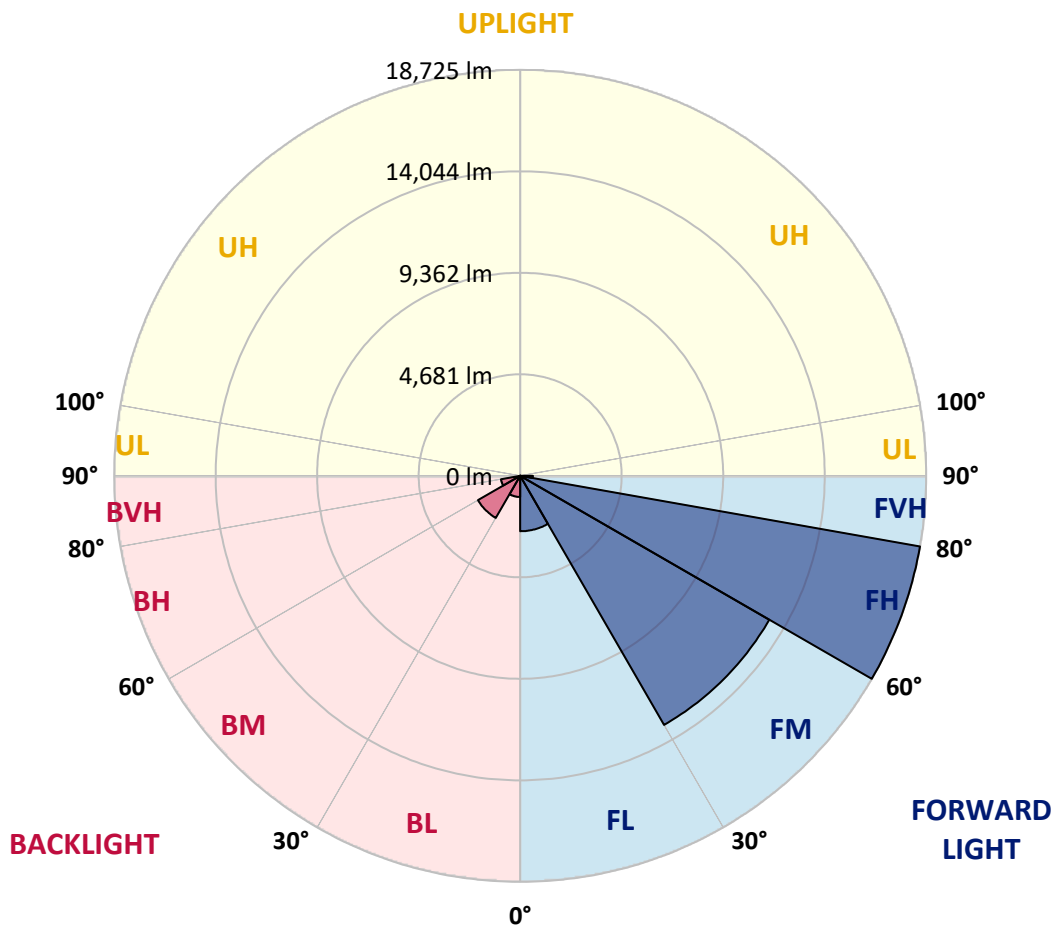
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2557.8	6.5			
FM	(30°-60°)	13266.1	33.8			
FH	(60°-80°)	18724.8	47.7			G5
FVH	(80°-90°)	591.5	1.5			G4/750
BL	(0°-30°)	977.2	2.5	B2/1000		
BM	(30°-60°)	2243.8	5.7	B2/2500		
BH	(60°-80°)	899.7	2.3	B2/1000		G2/1000
BVH	(80°-90°)	5.0	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	4301.7	4301.7	4301.7	4301.7	4301.7	4301.7	4301.7	4301.7	4301.7	4301.7	4301.7
2.5°	4698.3	4706.4	4701.0	4668.9	4615.3	4585.8	4569.7	4516.1	4481.2	4419.6	4355.3
5°	5129.8	5162.0	5143.2	5078.9	4977.1	4904.7	4883.3	4773.4	4674.2	4559.0	4425.0
7.5°	5588.2	5604.2	5569.4	5486.3	5349.6	5226.3	5207.6	5054.8	4896.7	4719.8	4537.5
10°	5984.8	6003.6	5950.0	5829.4	5673.9	5521.2	5494.3	5325.5	5137.9	4920.8	4687.6
12.5°	6317.2	6335.9	6266.2	6121.5	5950.0	5791.8	5765.0	5588.2	5381.8	5140.6	4851.1
15°	6569.1	6603.9	6510.1	6354.7	6169.8	6011.6	5998.2	5824.0	5623.0	5355.0	5046.8
17.5°	6716.5	6751.3	6662.9	6475.3	6317.2	6183.2	6167.1	6022.3	5834.7	5577.4	5237.1
20°	6740.6	6772.8	6679.0	6515.5	6384.2	6277.0	6268.9	6164.4	6027.7	5781.1	5443.4
22.5°	6668.3	6708.5	6622.7	6491.4	6400.2	6344.0	6333.2	6274.3	6196.6	5987.5	5636.4
25°	6593.2	6625.4	6561.1	6445.8	6397.6	6392.2	6400.2	6389.5	6373.4	6196.6	5861.5
27.5°	6587.9	6622.7	6550.3	6440.4	6413.6	6469.9	6478.0	6528.9	6542.3	6386.8	6078.6
30°	6633.4	6657.5	6587.9	6472.6	6459.2	6587.9	6590.5	6681.7	6703.1	6547.7	6293.0
32.5°	6732.6	6759.4	6689.7	6520.9	6502.1	6681.7	6689.7	6810.3	6845.2	6719.2	6518.2
35°	6965.8	6997.9	6917.5	6654.9	6587.9	6770.1	6794.2	6936.3	7006.0	6901.4	6751.3
37.5°	7547.4	7453.6	7343.7	6925.6	6783.5	6909.5	6949.7	7115.9	7239.1	7118.5	7030.1
40°	8992.0	8697.2	8354.1	7386.6	7126.6	7207.0	7239.1	7405.3	7574.2	7456.2	7413.4
42.5°	11160.2	10811.8	10259.7	8447.9	7643.8	7684.0	7708.2	7852.9	8091.4	7997.6	8008.3
45°	13092.6	12966.7	12403.8	10259.7	8611.4	8413.1	8442.5	8517.6	8868.7	8833.8	8903.5
47.5°	14577.4	14505.1	14070.9	12339.5	10246.3	9305.6	9388.6	9423.5	9930.0	10053.3	10240.9
50°	15719.2	15692.4	15303.8	14188.8	12382.4	10621.5	10651.0	10576.0	11334.4	11640.0	11996.4
52.5°	16796.6	16887.8	16601.0	15906.8	14663.2	12344.9	12339.5	11985.7	13009.5	13470.5	14078.9
55°	17769.5	17801.7	17831.2	17659.6	16957.4	14306.8	14255.8	13676.9	14952.7	15429.7	16089.1
57.5°	18683.5	18696.9	18959.5	19310.6	19345.5	16413.4	16319.6	15625.4	17075.4	17415.7	17820.5
60°	19297.2	19358.9	19913.7	20889.2	21315.4	18587.0	18536.1	17828.5	19235.6	19393.7	19318.7
62.5°	18412.8	18788.0	20187.0	22122.1	23175.4	20996.5	20972.3	20307.7	21508.4	21379.7	20736.5
65°	14904.4	15539.6	18000.0	22955.7	25000.6	23687.3	23722.2	23014.6	23842.8	23424.7	21889.0
67.5°	10425.9	11095.9	14006.6	23022.7	27040.2	26847.3	27048.3	25938.7	26322.0	25383.9	22162.3
70°	7209.7	7555.4	9450.3	21580.7	28629.6	31199.9	31194.5	29530.1	28787.7	26276.4	20768.6
72.5°	4848.4	5028.0	6137.6	17120.9	27461.0	33786.2	33630.8	32274.6	29618.6	24574.5	16968.2
75°	2045.0	2176.3	2841.0	9621.8	21725.5	30910.4	30489.6	28522.4	26316.6	19350.8	10586.7
77.5°	648.6	704.9	1120.3	3444.0	11967.0	23234.4	22789.5	17812.4	17638.2	9707.6	3870.2
80°	308.2	359.1	629.8	1383.0	4709.1	12637.0	12575.4	8080.7	7587.6	2621.2	777.2
82.5°	134.0	158.1	348.4	739.7	2106.6	4508.0	4599.2	2749.9	2275.5	994.3	238.5
85°	42.9	56.3	160.8	340.4	889.8	1120.3	1106.9	654.0	916.6	541.4	83.1
87.5°	0.0	0.0	53.6	77.7	91.1	64.3	72.4	56.3	254.6	150.1	29.5
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°	4301.7	4301.7	4301.7	4301.7	4301.7	4301.7	4301.7	4301.7	4301.7	4301.7	4301.7
2.5°	4323.1	4280.2	4205.2	4135.5	4073.9	4012.2	3974.7	3921.1	3915.7	3915.7	3929.1
5°	4352.6	4282.9	4148.9	4006.9	3843.4	3687.9	3532.5	3382.4	3334.1	3299.3	3315.4
7.5°	4438.4	4328.5	4116.7	3846.0	3535.1	3194.8	2956.2	2698.9	2599.8	2546.2	2554.2
10°	4561.7	4411.6	4089.9	3615.6	3111.7	2648.0	2307.6	2028.9	1921.7	1876.1	1876.1
12.5°	4698.3	4513.4	4041.7	3328.8	2648.0	2093.2	1760.9	1632.2	1616.1	1616.1	1616.1
15°	4861.8	4636.7	3958.6	2991.1	2162.9	1656.3	1538.4	1543.8	1559.9	1570.6	1570.6
17.5°	5030.7	4768.0	3827.3	2613.2	1734.1	1490.2	1492.9	1500.9	1514.3	1525.0	1525.0
20°	5212.9	4899.4	3653.1	2211.1	1487.5	1441.9	1450.0	1458.0	1468.7	1474.1	1476.8
22.5°	5408.6	5022.6	3446.7	1817.2	1404.4	1401.7	1404.4	1412.4	1425.9	1425.9	1431.2
25°	5617.6	5159.3	3210.8	1530.4	1361.5	1361.5	1366.9	1372.2	1383.0	1383.0	1385.6
27.5°	5832.1	5285.3	2961.6	1380.3	1324.0	1321.3	1321.3	1329.4	1334.7	1337.4	1340.1
30°	6067.9	5432.7	2712.3	1348.1	1294.5	1281.1	1273.1	1278.4	1283.8	1286.5	1291.8
32.5°	6309.1	5574.8	2489.9	1361.5	1265.0	1240.9	1214.1	1208.8	1208.8	1219.5	1227.5
35°	6577.1	5730.2	2318.3	1407.1	1249.0	1182.0	1139.1	1115.0	1117.6	1133.7	1141.8
37.5°	6898.8	5917.8	2192.4	1447.3	1238.2	1115.0	1045.3	1015.8	997.0	1015.8	1010.4
40°	7319.5	6193.9	2101.3	1479.5	1224.8	1037.2	943.4	895.2	860.3	871.1	865.7
42.5°	7938.7	6628.1	2066.4	1482.1	1195.4	946.1	838.9	774.6	723.6	726.3	715.6
45°	8807.0	7314.2	2246.0	1447.3	1131.0	846.9	729.0	643.2	611.1	603.0	592.3
47.5°	9997.0	8313.9	2661.4	1374.9	1037.2	750.4	621.8	549.4	525.3	511.9	503.9
50°	11591.7	9597.7	3122.4	1294.5	943.4	659.3	533.4	487.8	471.7	458.3	455.6
52.5°	13441.1	10900.3	3500.3	1214.1	849.6	578.9	477.1	450.3	436.9	426.1	423.5
55°	15137.6	11798.1	3478.9	1128.4	758.5	514.6	436.9	420.8	404.7	394.0	388.6
57.5°	16193.6	11924.1	2867.8	1034.5	654.0	463.7	399.3	388.6	369.9	356.5	353.8
60°	16678.7	11205.8	2010.1	911.3	549.4	415.4	359.1	353.8	329.7	310.9	305.5
62.5°	16767.1	9871.1	1340.1	758.5	458.3	369.9	318.9	310.9	278.7	246.6	230.5
65°	16408.0	7962.8	927.3	592.3	391.3	321.6	273.4	257.3	222.5	190.3	179.6
67.5°	15271.6	5590.8	645.9	426.1	332.3	254.6	217.1	211.7	184.9	158.1	150.1
70°	13189.1	3186.7	431.5	318.9	262.7	174.2	171.5	176.9	150.1	128.6	117.9
72.5°	10112.3	1458.0	268.0	233.2	179.6	117.9	136.7	139.4	115.2	96.5	85.8
75°	5952.7	624.5	168.9	150.1	91.1	77.7	99.2	101.8	77.7	61.6	53.6
77.5°	2026.2	235.9	107.2	88.4	45.6	42.9	64.3	64.3	42.9	24.1	18.8
80°	461.0	88.4	53.6	34.8	21.4	18.8	21.4	18.8	10.7	2.7	0.0
82.5°	131.3	34.8	21.4	13.4	8.0	8.0	2.7	0.0	0.0	0.0	0.0
85°	37.5	16.1	5.4	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	16.1	2.7	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)