

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: P939067

Luminaire Tested: **GALN-SB1C-727-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939067
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1C-727-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2700K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6953 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 54.4
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



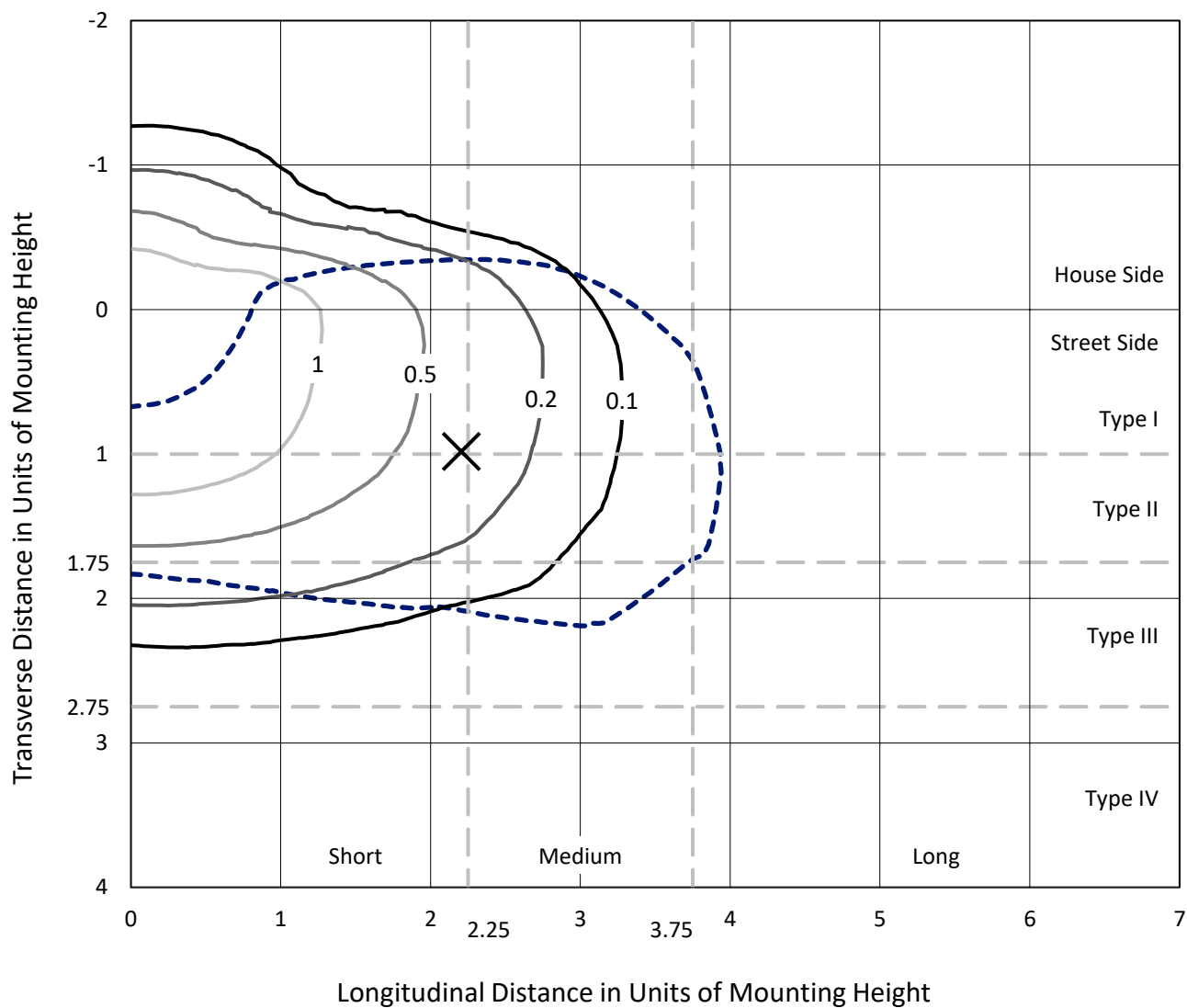
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Iso-Footcandle Lines of Horizontal Illumination

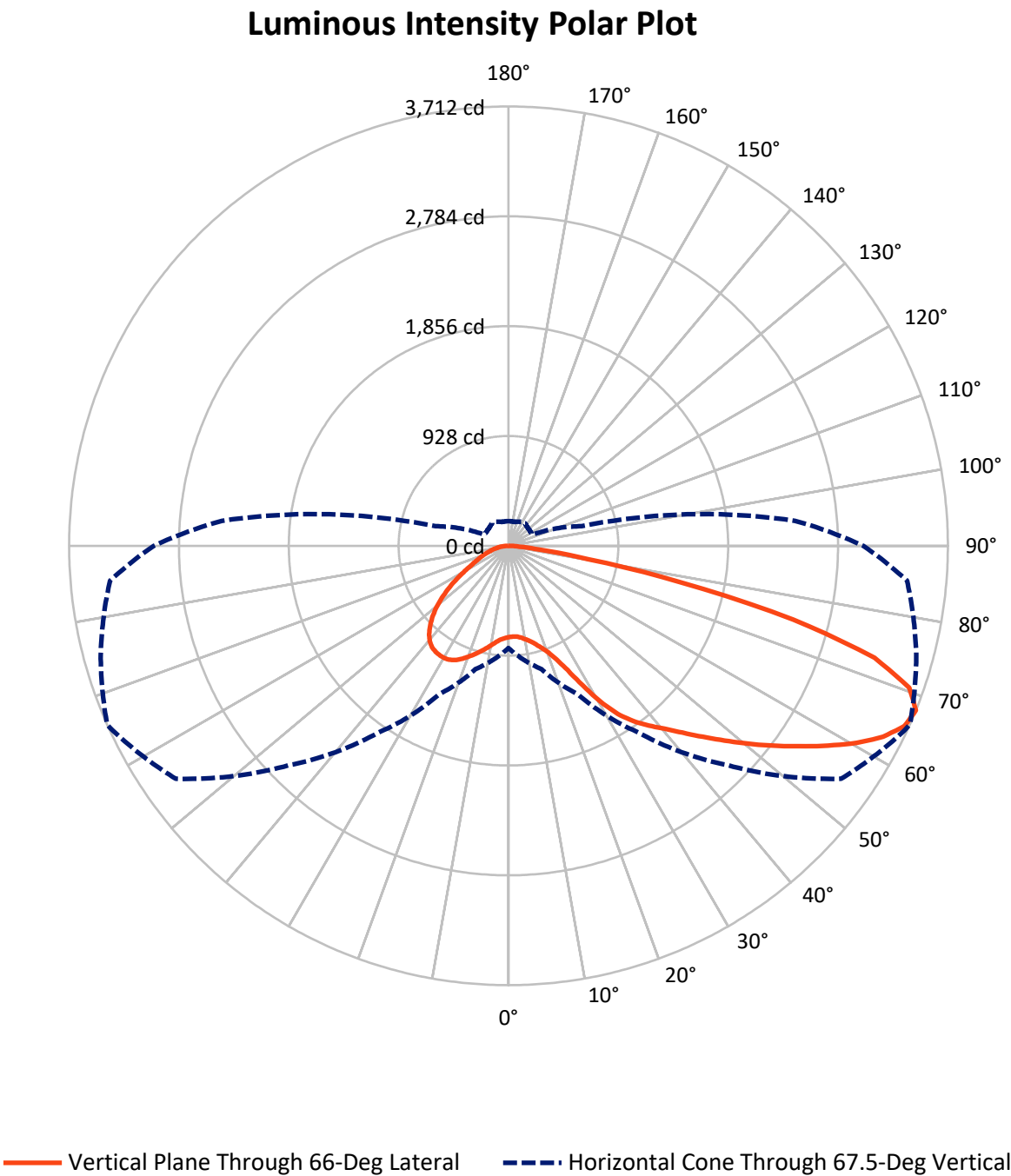
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
Type III - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1728.8	0.0	1728.8
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	5224.2	0.0	5224.2
	% Fixture	75.1	0.0	75.1
Total	Lumens	6953.0	0.0	6953.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.5	1.1
10°-20°	252.6	3.6
20°-30°	486.9	7.0
30°-40°	853.7	12.3
40°-50°	1269.2	18.3
50°-60°	1608.8	23.1
60°-70°	1574.2	22.6
70°-80°	750.9	10.8
80°-90°	80.3	1.2
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°	6953.0	100.0
0°-180°	6953.0	100.0

Coefficient of Utilization



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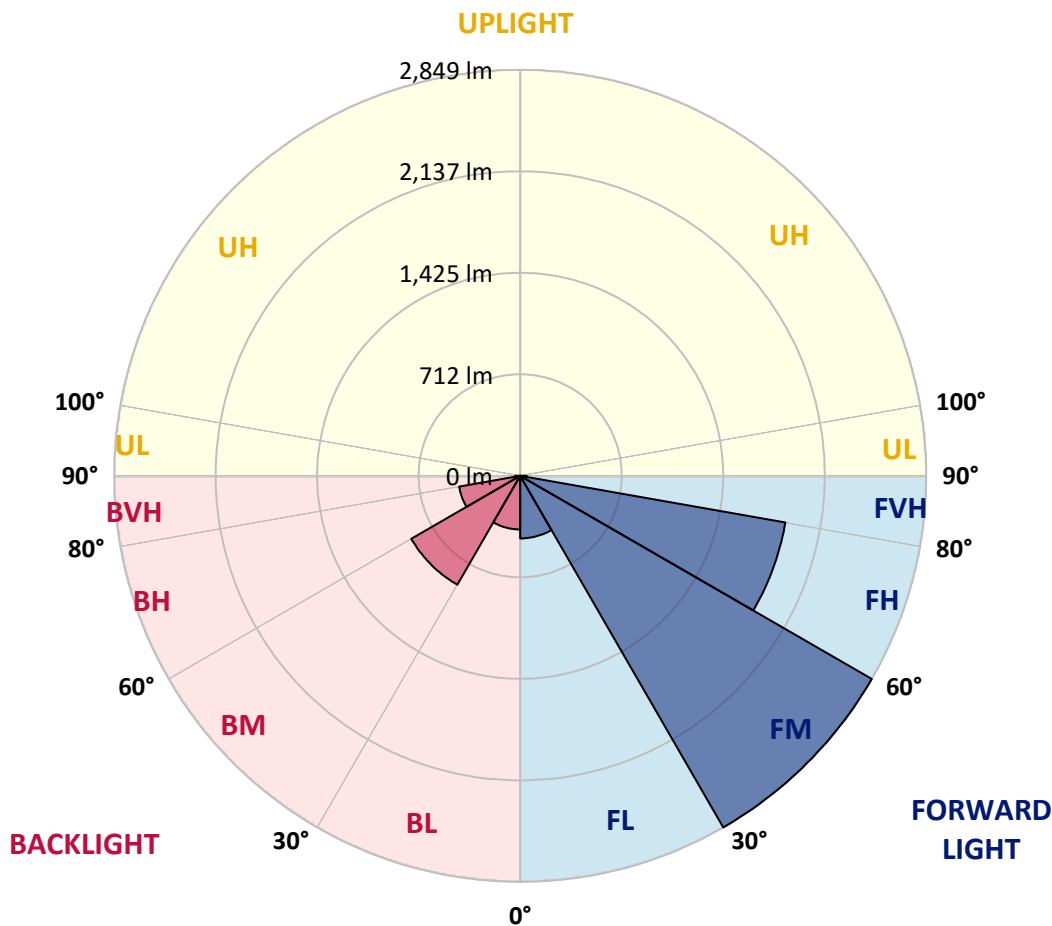
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	439.4	6.3			
FM	(30°-60°)	2849.3	41.0			
FH	(60°-80°)	1890.0	27.2			G2/5000
FVH	(80°-90°)	45.5	0.7			G1/100
BL	(0°-30°)	376.6	5.4	B1/500		
BM	(30°-60°)	882.4	12.7	B1/1000		
BH	(60°-80°)	435.1	6.3	B1/500		G1/500
BVH	(80°-90°)	34.8	0.5			G1/100
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°	65°	66°	75°	85°
0°	771.2	771.2	771.2	771.2	771.2	771.2	771.2	771.2	771.2	771.2	771.2
2.5°	763.1	767.5	766.4	764.6	764.2	765.0	766.1	767.2	766.8	768.6	771.5
5°	761.0	765.3	765.0	765.0	766.4	769.4	771.2	773.0	771.2	773.4	777.4
7.5°	762.4	765.7	767.2	768.6	772.3	777.8	782.1	786.2	784.0	786.5	791.6
10°	781.0	783.6	785.1	785.1	787.6	793.8	798.2	805.5	803.7	807.7	814.3
12.5°	815.0	817.6	817.6	816.1	817.9	822.0	823.4	831.5	828.2	834.7	841.3
15°	856.7	861.8	857.8	855.2	855.9	860.0	859.6	865.8	862.5	868.0	873.8
17.5°	902.7	909.3	902.7	902.3	900.9	905.3	905.6	911.1	905.3	909.3	913.3
20°	957.1	966.3	960.8	962.6	959.3	961.1	963.0	971.0	961.9	964.8	963.7
22.5°	1033.8	1044.8	1039.0	1045.9	1043.7	1042.2	1041.9	1056.1	1041.9	1043.0	1032.4
25°	1145.6	1158.8	1148.5	1158.0	1158.0	1162.8	1168.3	1186.5	1162.8	1155.9	1128.5
27.5°	1310.7	1323.9	1303.8	1309.7	1307.8	1319.5	1313.7	1359.0	1333.4	1322.1	1266.9
30°	1509.5	1532.9	1494.9	1493.4	1491.6	1510.2	1518.6	1548.6	1522.6	1511.3	1444.8
32.5°	1724.3	1748.8	1703.5	1690.3	1683.4	1694.7	1687.8	1711.9	1694.0	1676.4	1594.2
35°	1951.5	1975.6	1932.5	1906.9	1879.2	1855.4	1830.6	1836.8	1820.0	1793.3	1708.2
37.5°	2166.3	2210.5	2164.9	2137.5	2086.3	2039.9	1970.5	1941.6	1925.9	1901.5	1815.6
40°	2385.1	2410.3	2375.6	2352.3	2296.7	2224.0	2113.0	2052.0	2030.8	2007.0	1934.3
42.5°	2546.2	2570.4	2551.7	2535.7	2492.2	2407.8	2264.2	2187.9	2157.2	2130.5	2068.8
45°	2674.1	2692.0	2680.3	2686.2	2667.5	2585.7	2420.9	2333.6	2301.8	2269.3	2220.7
47.5°	2725.6	2744.6	2763.2	2797.9	2829.7	2769.5	2589.4	2491.4	2457.8	2424.6	2376.7
50°	2719.8	2739.1	2793.2	2867.0	2965.6	2945.5	2766.9	2659.5	2628.4	2590.4	2546.2
52.5°	2673.0	2694.9	2764.3	2887.1	3044.2	3077.4	2947.7	2833.0	2803.8	2758.5	2714.3
55°	2550.3	2563.4	2667.5	2841.4	3062.8	3169.5	3124.9	3017.9	2988.6	2925.4	2877.2
57.5°	2322.7	2341.7	2493.3	2718.3	3016.0	3231.9	3280.5	3212.2	3184.1	3093.1	3042.7
60°	2025.7	2056.0	2229.5	2511.5	2896.9	3231.6	3421.9	3403.3	3379.9	3258.2	3205.6
62.5°	1689.6	1724.7	1891.6	2219.3	2688.7	3139.9	3510.3	3563.3	3551.2	3410.6	3343.4
65°	1297.6	1321.7	1487.9	1841.2	2364.7	2943.0	3520.5	3672.5	3674.7	3526.4	3415.3
67.5°	864.0	933.4	1077.7	1381.6	1930.7	2621.1	3430.7	3690.4	3711.6	3566.2	3379.2
70°	421.6	512.9	654.3	897.9	1381.6	2127.6	3195.8	3543.6	3590.7	3450.0	3163.6
72.5°	175.0	204.6	281.7	443.1	793.1	1435.7	2723.8	3145.4	3232.7	3057.0	2659.9
75°	118.0	127.9	161.1	227.2	361.3	708.0	1964.3	2345.3	2486.0	2308.8	1887.2
77.5°	91.0	97.2	117.3	158.9	214.8	267.8	1051.4	1413.4	1486.1	1375.8	982.0
80°	71.6	76.4	87.7	115.8	152.3	143.2	358.4	640.4	682.4	572.4	315.6
82.5°	62.1	63.9	62.8	78.5	101.2	83.7	117.6	236.4	260.8	189.2	103.0
85°	44.9	50.0	52.2	48.6	53.7	42.4	48.2	83.7	92.1	82.2	58.1
87.5°	18.3	27.0	33.2	31.4	19.7	12.1	15.0	24.5	28.1	30.7	19.0
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°	771.2	771.2	771.2	771.2	771.2	771.2	771.2	771.2	771.2	771.2	771.2
2.5°	771.9	774.5	776.3	778.5	779.9	782.1	786.5	789.1	789.4	791.3	790.9
5°	778.9	782.5	786.5	792.4	798.9	804.4	812.8	818.7	820.9	822.7	822.3
7.5°	793.8	798.9	806.2	816.5	826.0	833.3	843.5	850.5	857.4	860.0	860.3
10°	816.1	823.4	834.0	847.9	858.1	867.6	878.2	884.1	891.0	893.9	895.4
12.5°	843.9	851.5	865.4	884.8	894.3	900.9	904.5	903.1	904.5	907.1	907.8
15°	875.7	884.1	899.8	920.6	927.2	921.3	913.3	906.0	904.9	905.6	908.2
17.5°	913.3	919.5	937.8	955.3	950.5	926.4	908.9	897.2	891.4	889.5	892.1
20°	965.9	965.9	980.9	991.8	960.0	919.1	891.7	872.7	860.7	855.6	854.5
22.5°	1029.8	1024.0	1033.5	1025.8	958.2	898.7	860.7	827.8	809.5	802.2	801.1
25°	1110.9	1104.0	1101.4	1053.9	945.1	866.2	804.4	764.6	748.5	744.5	745.2
27.5°	1233.3	1215.8	1182.5	1069.3	921.0	815.0	738.7	701.8	692.6	693.0	694.1
30°	1396.2	1361.2	1279.7	1071.8	881.5	742.7	671.4	645.1	640.8	642.6	648.8
32.5°	1547.1	1513.9	1379.1	1060.1	820.9	671.8	611.2	593.6	587.1	589.3	592.2
35°	1665.5	1656.3	1471.1	1043.7	746.3	605.3	557.1	542.1	529.3	526.4	528.6
37.5°	1777.3	1773.6	1540.2	1020.7	672.5	558.2	513.6	493.9	475.3	465.0	465.4
40°	1900.0	1896.3	1585.5	985.3	607.2	517.3	474.5	448.6	425.6	407.0	408.8
42.5°	2038.1	2016.5	1607.0	934.5	551.6	482.6	442.8	407.7	377.4	360.2	361.3
45°	2189.0	2140.4	1606.7	869.8	504.9	450.8	408.8	359.1	331.0	314.9	314.2
47.5°	2349.0	2258.7	1586.9	798.2	459.6	415.7	356.2	318.2	299.6	289.7	287.5
50°	2514.1	2369.4	1553.3	716.0	413.2	375.9	323.3	297.4	283.1	274.0	270.7
52.5°	2669.4	2469.9	1512.8	622.9	366.0	337.2	308.7	288.6	273.6	263.4	259.0
55°	2813.7	2556.5	1455.4	527.5	327.7	311.2	301.8	284.9	267.8	255.7	251.0
57.5°	2941.9	2612.7	1356.4	438.0	300.3	293.3	294.4	278.7	259.0	248.8	242.2
60°	3048.6	2654.0	1209.9	355.1	278.0	275.8	283.1	267.0	244.0	232.3	227.2
62.5°	3112.5	2653.3	1030.2	290.8	259.0	259.7	268.1	252.4	229.1	218.1	214.8
65°	3107.0	2588.3	832.9	248.8	240.7	241.5	252.4	236.4	216.6	210.1	209.7
67.5°	2997.0	2429.7	638.9	221.4	220.7	223.9	236.7	225.4	209.0	208.2	209.3
70°	2699.3	2100.6	460.3	199.5	199.8	204.6	221.4	218.5	204.9	206.4	206.0
72.5°	2164.5	1601.5	309.1	176.4	176.8	184.5	206.8	213.0	200.9	220.3	223.2
75°	1441.5	998.8	198.7	152.0	152.3	162.2	194.0	202.4	190.0	219.6	221.4
77.5°	692.6	449.0	143.9	127.9	127.9	137.0	167.7	181.2	161.8	170.6	156.4
80°	239.3	168.8	113.2	103.0	100.8	107.0	141.4	157.1	139.6	128.6	120.6
82.5°	94.3	87.7	91.0	80.0	72.7	76.7	110.0	129.7	102.7	92.8	92.4
85°	54.1	57.0	64.3	53.0	42.0	47.1	80.7	93.2	77.4	68.3	69.8
87.5°	14.6	20.1	29.6	27.4	19.0	20.1	38.4	51.5	44.6	34.3	35.4
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)