

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: P939058

Luminaire Tested: **GALN-SB1C-722-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939058
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB1C-722-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD
THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4686 lumens
Efficiency: N/A
Efficacy: 86.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - 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

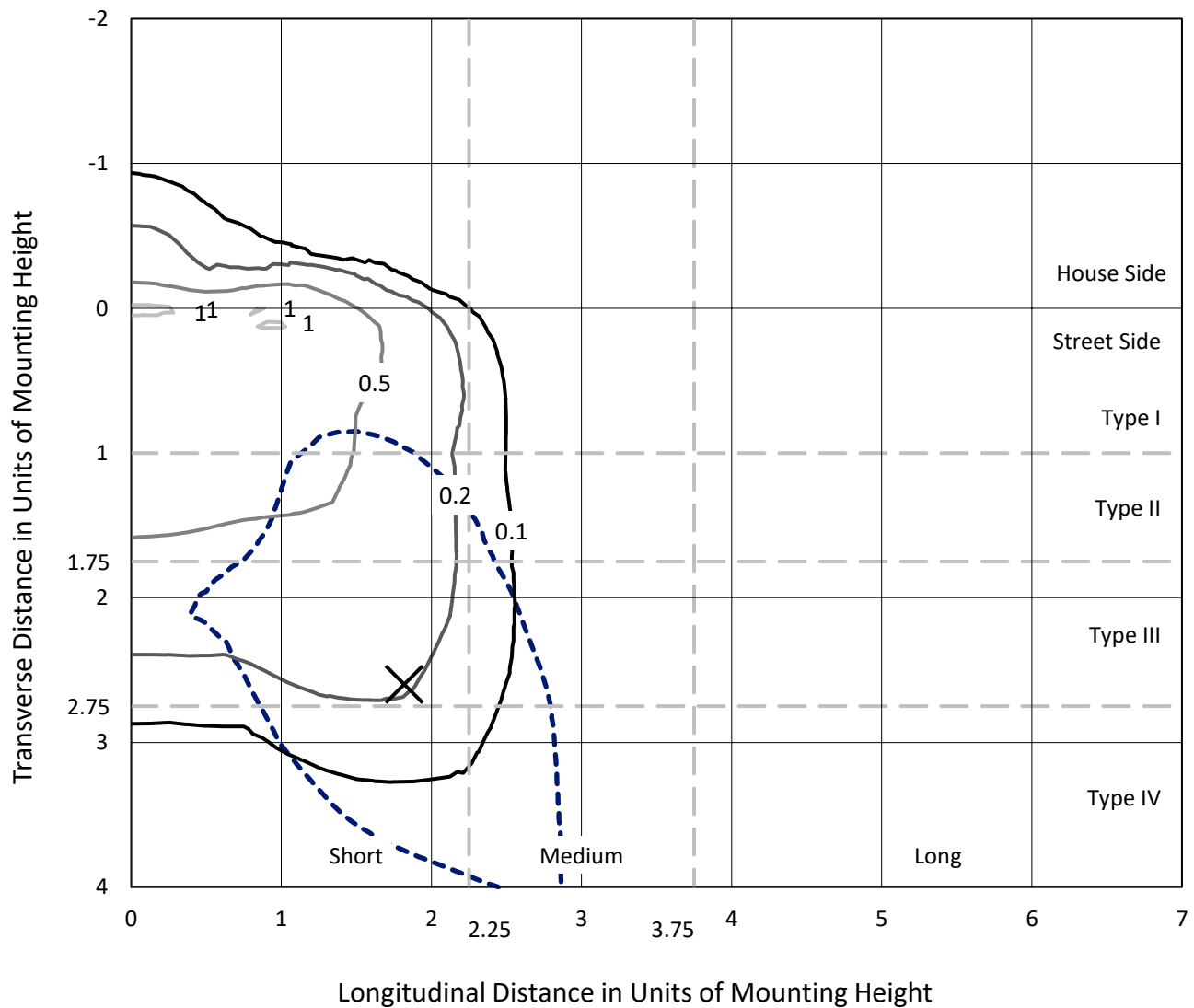


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Iso-Footcandle Lines of Horizontal Illumination

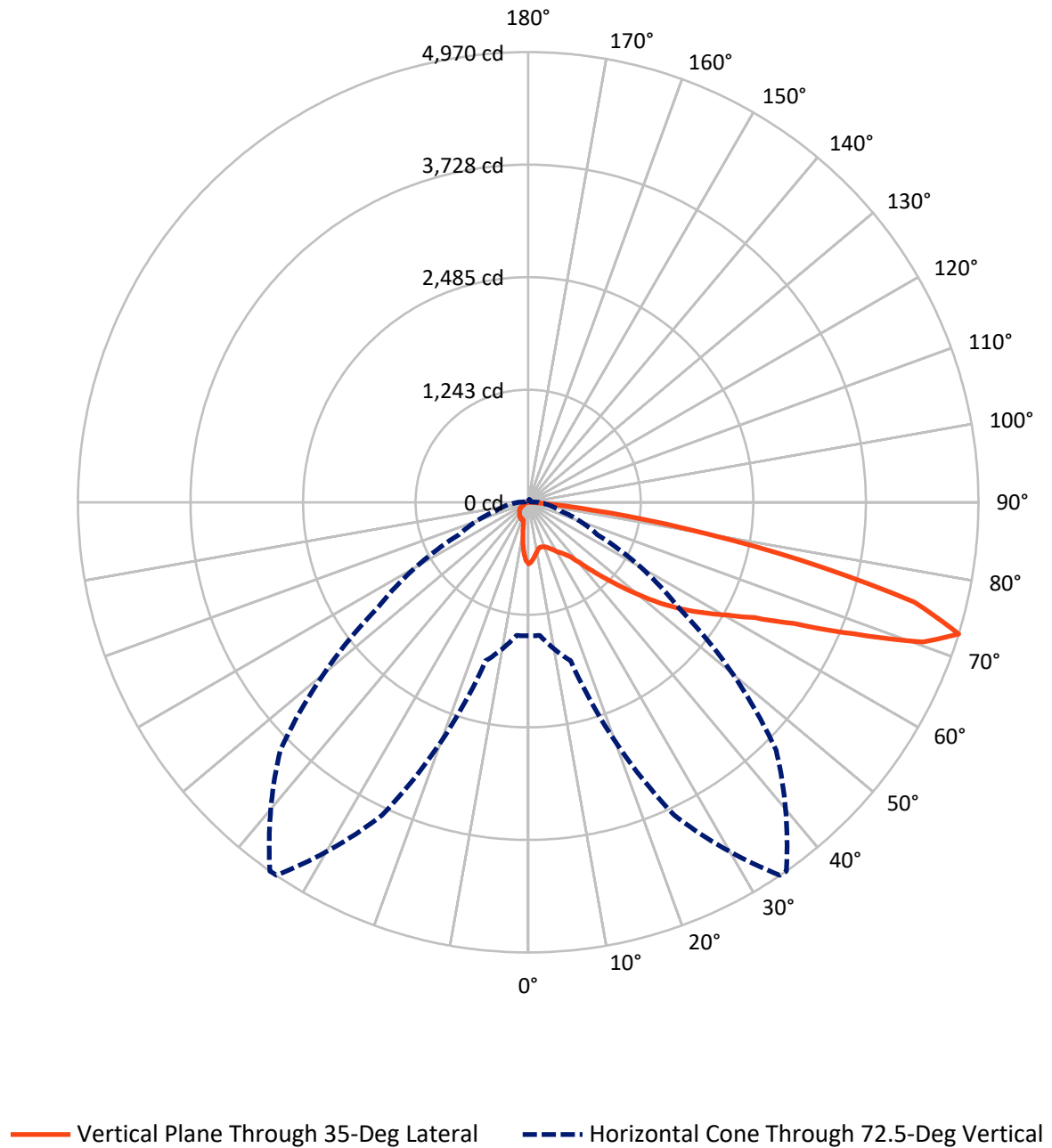
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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	527.4	0.0	527.4
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	4158.6	0.0	4158.6
	% Fixture	88.7	0.0	88.7
Total	Lumens	4686.0	0.0	4686.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.8	1.2
10°-20°	130.6	2.8
20°-30°	212.1	4.5
30°-40°	353.9	7.6
40°-50°	669.5	14.3
50°-60°	1063.9	22.7
60°-70°	1316.1	28.1
70°-80°	818.1	17.5
80°-90°	66.1	1.4
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°	4686.0	100.0
0°-180°	4686.0	100.0

Coefficient of Utilization



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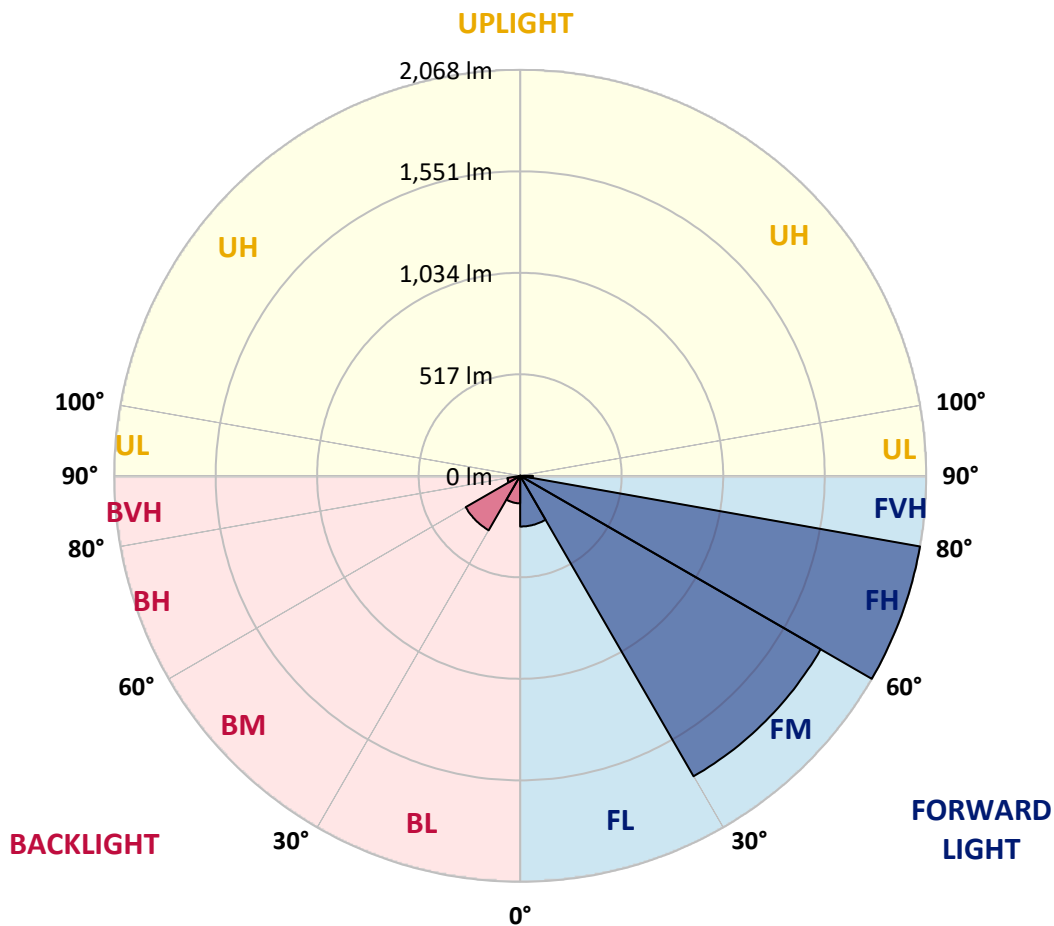
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	258.3	5.5			
FM	(30°-60°)	1767.1	37.7			
FH	(60°-80°)	2068.0	44.1			G2/5000
FVH	(80°-90°)	65.2	1.4			G1/100
BL	(0°-30°)	140.1	3.0	B1/500		
BM	(30°-60°)	320.2	6.8	B1/1000		
BH	(60°-80°)	66.2	1.4	B0/110		G0/110
BVH	(80°-90°)	0.9	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	679.2	679.2	679.2	679.2	679.2	679.2	679.2	679.2	679.2	679.2	679.2
2.5°	648.9	654.4	655.5	657.2	657.2	659.2	662.7	667.5	675.4	679.5	682.2
5°	598.1	602.2	607.4	611.5	619.4	620.4	633.8	646.9	665.1	678.8	688.4
7.5°	547.0	551.8	558.6	568.6	578.9	582.0	602.2	624.2	653.1	678.8	695.0
10°	510.9	511.3	517.4	527.4	543.9	547.7	572.4	603.6	639.7	674.7	701.1
12.5°	490.7	493.1	495.8	503.4	519.2	521.6	548.0	584.7	626.3	672.3	708.3
15°	490.7	492.4	494.1	497.9	510.6	512.6	536.0	572.7	619.4	673.3	720.0
17.5°	495.8	498.6	497.2	501.6	515.0	516.4	537.0	569.3	619.1	679.8	737.9
20°	508.2	510.2	507.5	510.2	523.6	526.4	547.7	575.8	624.9	691.2	760.2
22.5°	527.7	528.8	522.2	524.3	538.0	541.5	566.2	594.3	639.0	709.4	790.1
25°	552.5	554.5	544.6	547.0	560.0	564.1	592.6	622.2	661.3	734.4	828.2
27.5°	581.0	582.0	573.4	573.1	589.9	595.7	624.6	656.5	691.2	766.0	876.2
30°	613.6	616.7	608.4	607.1	628.3	633.1	661.6	698.7	735.1	813.4	944.6
32.5°	639.3	641.7	636.9	640.4	662.0	665.8	706.6	758.5	804.1	880.7	1037.6
35°	676.4	677.8	666.8	673.0	697.7	707.3	768.1	842.3	891.0	965.2	1159.2
37.5°	810.7	810.7	764.0	733.4	757.1	765.7	852.2	947.7	998.1	1078.5	1312.3
40°	996.4	993.3	925.0	862.5	859.4	876.2	972.0	1080.5	1136.5	1214.5	1484.7
42.5°	1194.5	1189.7	1096.7	1034.9	1024.6	1030.4	1110.4	1244.3	1301.3	1380.3	1670.1
45°	1370.3	1369.0	1283.8	1200.7	1182.2	1200.7	1283.1	1435.9	1476.8	1559.9	1855.2
47.5°	1517.6	1517.6	1455.5	1401.2	1391.6	1402.6	1516.9	1648.5	1644.7	1751.1	2035.4
50°	1687.3	1685.9	1626.8	1603.5	1613.4	1628.9	1786.1	1872.3	1818.4	1938.9	2196.4
52.5°	1806.1	1814.3	1794.0	1790.3	1841.1	1867.9	2059.5	2091.4	1974.0	2117.1	2317.0
55°	1900.1	1909.7	1933.1	1959.5	2057.4	2092.4	2324.2	2299.1	2104.1	2271.6	2386.3
57.5°	2033.4	2019.6	2055.7	2107.9	2266.2	2308.4	2580.7	2495.2	2208.8	2397.0	2393.9
60°	2195.1	2197.1	2203.3	2269.2	2474.6	2528.8	2833.4	2680.6	2276.1	2473.9	2310.1
62.5°	2389.4	2392.5	2405.2	2506.5	2754.4	2805.6	3102.6	2832.3	2307.0	2452.2	2093.8
65°	2376.0	2389.1	2530.9	2877.3	3179.8	3230.3	3416.7	2938.8	2260.3	2254.5	1704.8
67.5°	2164.5	2185.8	2423.1	3320.3	3821.2	3877.5	3796.5	2959.7	2058.8	1753.2	1112.1
70°	1887.1	1894.6	2180.0	3718.5	4563.9	4620.9	4136.4	2729.3	1562.3	977.9	498.2
72.5°	1473.7	1475.4	1810.2	3810.9	4967.0	4970.1	3869.6	2026.1	840.2	375.6	173.1
75°	1052.7	1042.4	1212.4	3090.5	4369.9	4404.9	2901.0	950.4	321.0	177.5	86.2
77.5°	564.5	575.8	686.0	1832.8	3018.8	3078.5	1582.9	274.0	163.4	120.9	57.0
80°	174.4	184.0	281.2	839.2	1709.9	1746.0	586.8	121.9	114.0	86.2	37.4
82.5°	54.9	57.0	131.2	352.6	709.7	726.2	170.0	69.0	77.9	57.0	22.0
85°	15.8	16.1	58.4	131.5	175.5	178.9	47.7	26.8	44.6	35.4	11.3
87.5°	1.7	5.5	22.0	22.0	15.5	15.1	5.2	5.8	12.7	4.5	2.1
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°	679.2	679.2	679.2	679.2	679.2	679.2	679.2	679.2	679.2	679.2	679.2
2.5°	680.5	680.9	676.4	668.9	660.6	653.8	645.2	638.3	633.5	632.1	634.5
5°	685.3	682.9	670.2	647.2	619.8	596.1	569.6	548.7	534.9	529.1	531.2
7.5°	692.5	685.7	657.9	612.5	560.0	513.3	465.9	429.2	405.8	394.2	395.9
10°	698.7	685.0	637.3	562.4	482.1	411.3	347.5	303.2	278.5	266.8	267.1
12.5°	704.6	684.7	610.5	503.0	394.2	307.6	248.2	226.3	219.4	217.0	216.3
15°	715.6	685.7	576.8	435.0	306.6	232.5	210.8	210.5	211.9	211.2	210.8
17.5°	730.7	686.7	538.7	362.9	236.6	205.0	204.0	207.0	209.1	208.1	207.7
20°	750.2	690.8	498.2	291.5	203.3	198.1	200.5	203.3	205.0	203.3	202.9
22.5°	777.7	698.0	453.9	234.2	192.6	194.0	196.1	199.1	200.9	198.5	198.1
25°	811.4	709.4	410.3	203.6	187.5	189.2	192.3	195.7	197.8	195.4	195.0
27.5°	855.0	727.6	370.1	196.7	182.3	183.4	187.8	193.0	195.7	192.6	192.6
30°	918.1	757.4	335.5	199.8	179.2	176.8	183.0	190.2	193.3	190.6	190.2
32.5°	1001.9	799.7	314.2	204.6	177.9	169.3	175.1	184.4	189.5	187.8	187.8
35°	1111.8	863.9	305.9	210.1	176.8	161.4	165.5	175.5	184.4	186.1	186.1
37.5°	1245.0	953.2	308.3	212.5	173.7	154.9	156.9	165.5	177.2	182.7	184.0
40°	1396.4	1057.2	322.1	210.1	170.3	149.4	149.7	156.2	166.5	174.8	177.5
42.5°	1552.7	1178.7	347.5	201.2	167.2	144.6	143.5	148.0	154.9	160.7	163.1
45°	1701.3	1303.7	372.5	188.8	163.4	139.7	137.3	139.1	140.4	142.8	144.2
47.5°	1831.1	1391.6	365.3	177.5	158.3	134.3	130.1	129.4	125.3	125.0	124.6
50°	1920.7	1410.9	324.5	166.2	150.7	128.1	121.5	117.4	110.2	106.8	107.1
52.5°	1949.2	1335.0	265.1	154.9	138.4	119.8	110.6	104.0	95.1	92.0	91.7
55°	1911.5	1186.3	211.9	141.1	121.2	108.8	98.5	90.0	82.7	79.0	79.0
57.5°	1819.1	997.1	167.6	125.0	103.0	96.5	86.2	77.6	71.4	67.6	67.0
60°	1666.0	791.8	132.5	105.8	87.9	83.1	72.4	67.0	61.5	57.0	56.0
62.5°	1433.5	565.2	104.0	83.8	73.5	68.0	61.8	57.7	51.2	45.0	43.9
65°	1118.7	345.8	80.3	61.5	59.1	56.3	52.5	48.8	40.9	34.7	33.6
67.5°	705.6	163.8	57.3	46.4	46.7	45.3	43.6	40.5	34.7	29.2	28.5
70°	310.7	79.3	37.8	35.4	34.7	34.7	36.1	35.0	29.5	24.4	23.3
72.5°	105.8	42.6	28.2	26.8	25.1	24.7	30.2	29.2	23.7	18.9	17.9
75°	55.3	28.5	20.6	19.2	15.1	18.2	24.0	22.7	16.8	12.4	11.3
77.5°	36.1	20.3	14.1	12.4	8.6	12.0	17.9	15.8	10.0	6.2	5.5
80°	22.7	13.4	8.2	5.8	4.1	6.5	9.6	6.9	3.8	1.4	1.0
82.5°	12.0	6.9	3.1	2.1	1.7	2.1	2.4	1.7	0.7	0.0	0.0
85°	4.8	2.4	1.0	0.7	0.3	0.0	0.7	0.3	0.0	0.0	0.0
87.5°	1.7	0.3	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)