

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: P944832

Luminaire Tested: **GALN-SB1A-722-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944832
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB1A-722-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 350mA LIGHTSQUARE WITH 26 LEDS AND AUTOMOTIVE
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3161 lumens
Efficiency: N/A
Efficacy: 102.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

Input Watts (W): 30.9
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

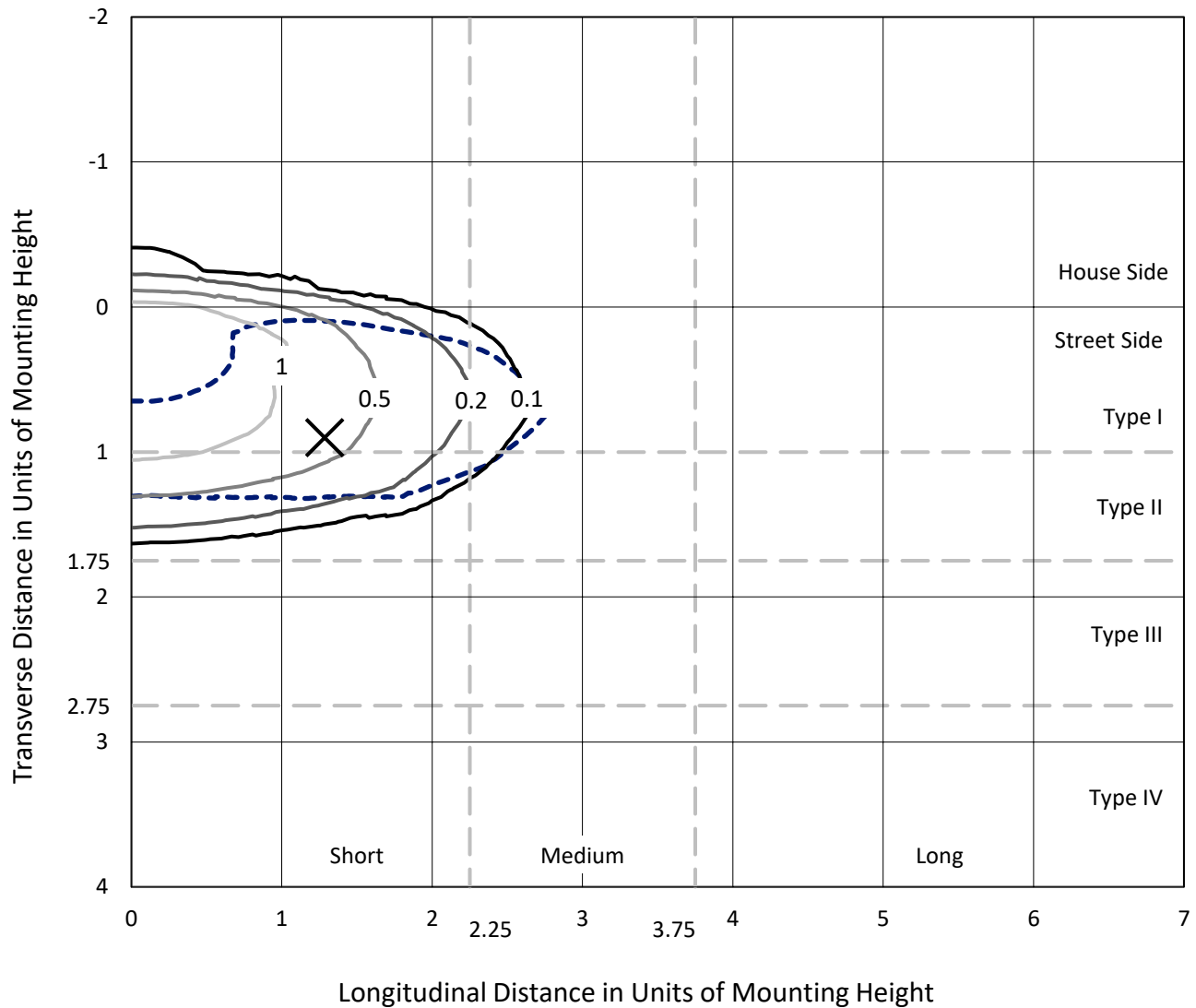


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Iso-Footcandle Lines of Horizontal Illumination

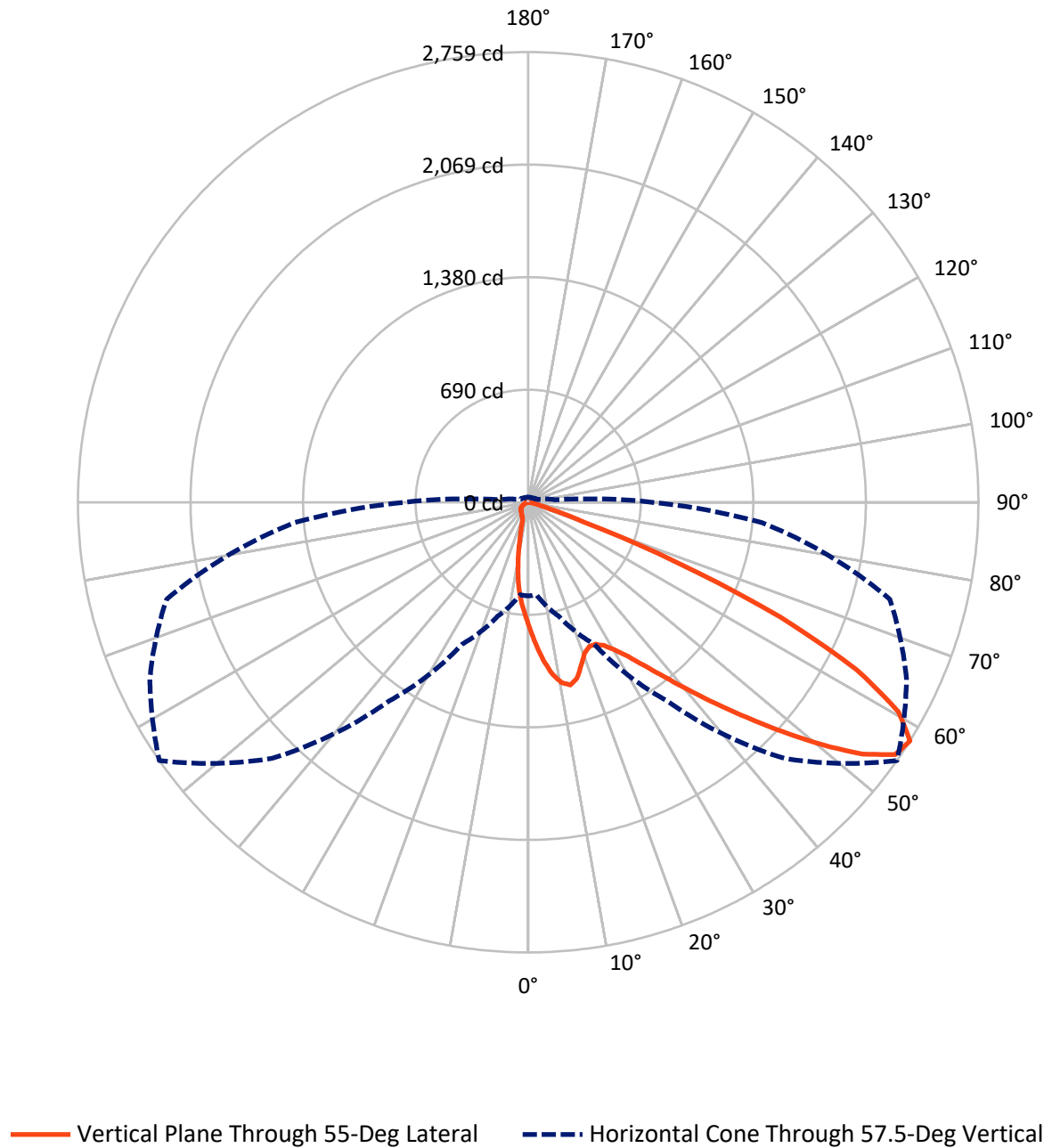
✕ Max cd
- - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	246.9	0.0	246.9
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	2914.1	0.0	2914.1
	% Fixture	92.2	0.0	92.2
Total	Lumens	3161.0	0.0	3161.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.9	2.2
10°-20°	171.2	5.4
20°-30°	273.9	8.7
30°-40°	463.6	14.7
40°-50°	761.2	24.1
50°-60°	836.6	26.5
60°-70°	479.9	15.2
70°-80°	98.0	3.1
80°-90°	5.8	0.2
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°	3161.0	100.0
0°-180°	3161.0	100.0

Coefficient of Utilization



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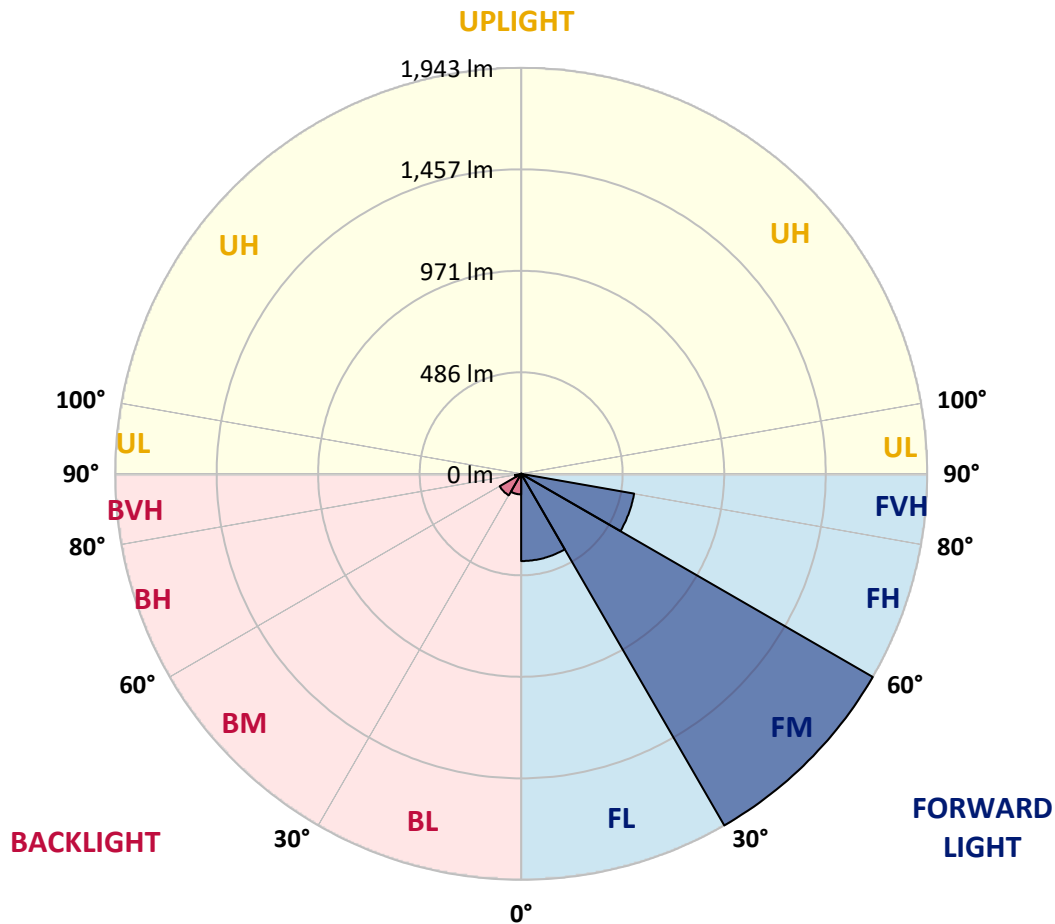
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	417.4	13.2			
FM	(30°-60°)	1942.8	61.5			
FH	(60°-80°)	548.5	17.4			G0/660
FVH	(80°-90°)	5.4	0.2			G0/10
BL	(0°-30°)	98.6	3.1	B0/110		
BM	(30°-60°)	118.6	3.8	B0/220		
BH	(60°-80°)	29.4	0.9	B0/110		G0/110
BVH	(80°-90°)	0.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G0

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	761.7	761.7	761.7	761.7	761.7	761.7	761.7	761.7	761.7	761.7	761.7
2.5°	945.1	933.2	931.5	929.2	906.5	889.6	865.0	838.1	807.9	777.1	763.5
5°	1091.9	1082.6	1080.8	1069.9	1044.2	1015.3	971.6	916.5	860.2	793.9	765.4
7.5°	1120.4	1118.6	1126.6	1126.2	1122.7	1099.9	1063.1	997.4	912.8	814.5	770.5
10°	993.5	998.0	1021.7	1042.6	1098.9	1131.7	1123.7	1069.5	967.0	838.1	776.1
12.5°	877.9	872.6	889.6	913.2	978.7	1076.1	1148.8	1129.7	1028.9	864.8	784.5
15°	805.4	803.2	812.8	823.7	873.6	971.8	1119.6	1178.6	1088.6	896.4	797.2
17.5°	782.2	780.4	783.4	786.1	818.4	894.5	1050.0	1208.7	1145.7	932.5	811.2
20°	801.1	798.8	798.4	796.2	809.7	861.5	987.0	1210.8	1197.0	965.2	823.3
22.5°	856.3	853.5	844.0	835.4	836.6	866.0	959.0	1189.4	1235.6	995.8	830.9
25°	956.2	951.8	931.9	903.0	884.7	897.2	963.3	1161.1	1272.4	1019.8	827.2
27.5°	1081.4	1075.5	1050.0	1007.1	965.2	950.0	994.3	1141.6	1303.0	1038.1	819.2
30°	1204.0	1196.4	1171.2	1137.9	1076.7	1028.8	1050.2	1150.2	1339.4	1057.2	808.7
32.5°	1336.3	1329.1	1295.8	1254.5	1203.8	1139.3	1126.8	1192.1	1384.1	1083.9	801.3
35°	1503.8	1492.5	1445.1	1388.8	1335.0	1269.7	1230.5	1264.4	1443.5	1124.7	805.4
37.5°	1694.4	1679.2	1628.1	1550.3	1480.2	1407.1	1356.8	1363.8	1530.7	1179.2	818.1
40°	1874.1	1860.3	1813.1	1739.8	1651.7	1563.0	1509.4	1493.8	1650.9	1245.7	840.3
42.5°	1981.9	1969.4	1949.5	1918.5	1844.3	1753.8	1686.2	1652.5	1793.2	1325.2	867.4
45°	1987.9	1977.0	2003.7	2039.8	2025.2	1964.9	1882.5	1820.7	1936.1	1399.9	895.4
47.5°	1891.2	1883.8	1964.9	2090.8	2153.6	2178.9	2102.9	1974.9	2054.0	1453.5	906.9
50°	1627.7	1625.0	1791.8	2023.0	2202.5	2366.4	2335.5	2118.3	2145.4	1481.1	896.0
52.5°	1411.4	1401.4	1498.7	1805.9	2131.4	2465.1	2562.7	2259.1	2209.3	1486.4	870.5
55°	1070.5	1061.7	1183.7	1442.6	1902.0	2430.0	2729.0	2404.3	2255.2	1473.0	824.7
57.5°	574.2	568.8	722.9	960.1	1486.8	2219.5	2759.0	2557.9	2293.7	1437.3	760.6
60°	223.6	222.6	280.3	465.8	903.6	1805.7	2607.6	2650.0	2317.9	1393.4	707.0
62.5°	135.3	138.2	147.5	209.1	399.2	1121.7	2258.5	2545.2	2334.1	1353.3	662.7
65°	111.9	112.1	113.2	143.7	191.2	469.4	1700.2	2200.2	2294.1	1281.8	599.9
67.5°	95.9	97.7	102.1	114.0	134.9	205.8	978.9	1704.3	2051.1	1115.3	502.1
70°	75.6	78.0	83.6	93.8	104.1	128.8	361.8	1134.0	1566.9	840.7	379.7
72.5°	63.7	63.5	66.5	76.2	82.6	90.6	139.2	635.4	910.6	401.3	187.9
75°	49.3	51.3	55.0	63.7	67.6	65.7	75.4	232.1	326.3	121.6	63.9
77.5°	38.6	40.2	43.5	52.0	55.9	46.6	43.5	83.0	104.9	43.7	28.8
80°	17.3	18.7	29.6	38.4	45.6	32.2	23.6	42.5	46.6	19.9	14.6
82.5°	3.1	5.3	17.3	20.3	23.4	20.9	12.3	22.0	22.8	8.0	5.1
85°	0.2	0.4	6.0	7.4	9.4	6.8	3.7	8.8	7.6	2.7	1.9
87.5°	0.0	0.0	0.0	0.2	0.2	1.0	1.2	1.6	1.2	1.0	0.8
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	761.7	761.7	761.7	761.7	761.7	761.7	761.7	761.7	761.7	761.7
2.5°	749.4	721.8	694.9	672.8	660.0	638.1	623.7	621.4	615.3	620.6
5°	735.0	685.5	635.4	590.6	553.8	506.2	470.7	455.7	442.6	447.1
7.5°	728.2	650.0	572.1	495.5	416.7	340.7	284.2	260.6	242.7	245.2
10°	719.0	613.2	491.0	374.0	268.6	193.5	154.6	140.1	132.2	132.3
12.5°	712.0	569.1	396.8	253.6	163.5	123.6	111.5	108.0	105.6	105.8
15°	708.5	517.3	303.9	169.0	116.9	104.7	101.7	100.2	98.6	98.4
17.5°	702.7	459.6	222.4	123.4	102.3	98.0	95.5	93.8	91.8	91.4
20°	693.9	394.1	162.6	104.3	95.9	92.6	89.1	86.7	84.4	84.0
22.5°	677.7	324.9	124.9	96.5	91.2	87.5	83.2	80.5	78.2	77.8
25°	647.7	260.0	105.3	91.6	87.1	82.6	78.0	74.3	72.1	71.7
27.5°	609.7	204.3	95.5	87.1	81.9	77.8	72.5	69.0	67.1	66.7
30°	564.9	157.3	89.9	82.1	75.6	72.1	67.4	64.5	63.3	63.3
32.5°	516.5	125.7	87.5	77.0	70.2	66.3	62.6	61.4	61.0	60.8
35°	471.1	109.2	86.3	72.9	65.3	61.6	60.0	60.2	61.0	61.0
37.5°	430.8	103.9	85.8	70.0	61.0	57.7	58.7	60.4	59.6	59.6
40°	394.3	104.5	85.4	67.8	57.5	55.6	57.5	56.1	54.2	54.0
42.5°	366.4	109.3	84.6	66.1	55.4	54.0	53.2	51.1	50.9	51.3
45°	346.2	113.6	84.4	65.3	53.0	50.5	49.5	47.4	51.3	52.2
47.5°	322.2	113.6	84.4	62.6	49.1	48.1	46.6	44.2	48.1	49.1
50°	291.2	106.4	81.1	59.4	46.0	45.4	42.7	39.8	39.0	39.6
52.5°	252.0	93.4	72.7	55.2	42.9	41.7	38.4	36.3	35.7	35.7
55°	207.4	78.2	61.4	48.9	39.6	37.4	35.1	34.1	33.5	33.1
57.5°	168.6	64.1	49.3	43.5	36.4	33.7	32.9	31.8	30.8	30.2
60°	138.4	50.5	40.7	38.6	33.3	30.8	30.6	29.0	26.5	26.1
62.5°	106.8	37.0	34.3	33.5	30.2	28.1	27.7	24.6	20.7	19.9
65°	75.4	28.8	27.7	29.4	26.9	24.9	24.0	19.3	15.2	14.6
67.5°	53.0	24.2	21.8	25.7	23.4	20.9	20.3	16.4	12.7	12.3
70°	37.8	19.7	17.9	22.0	18.7	18.3	17.2	13.6	10.3	9.9
72.5°	26.7	15.0	13.8	19.1	12.9	15.8	14.0	10.5	7.8	7.4
75°	19.7	10.7	9.7	11.1	9.4	11.9	9.9	7.0	4.9	4.7
77.5°	14.4	6.8	5.8	5.5	5.5	7.4	5.5	2.9	2.1	1.9
80°	10.1	3.1	2.7	2.3	2.1	1.8	0.8	0.4	0.2	0.2
82.5°	6.0	1.4	1.4	1.0	0.6	0.0	0.0	0.0	0.0	0.0
85°	1.4	0.6	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.2	0.2	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

(END OF REPORT)