

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: P946634

Luminaire Tested: **GALN-SB2B-722-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946634
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-SB2B-722-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 450mA 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: 7166 lumens
Efficiency: N/A
Efficacy: 97.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 73.9
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

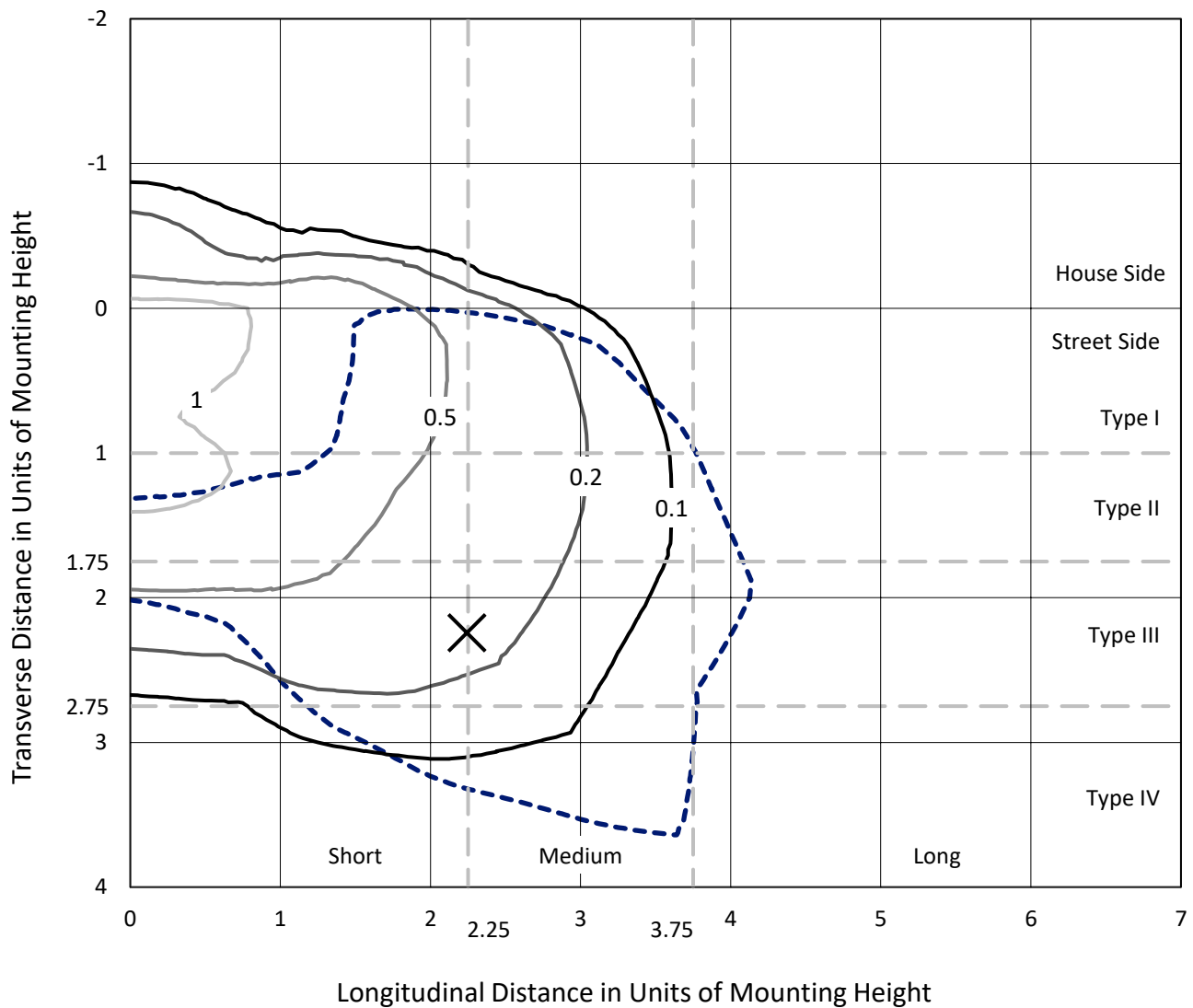


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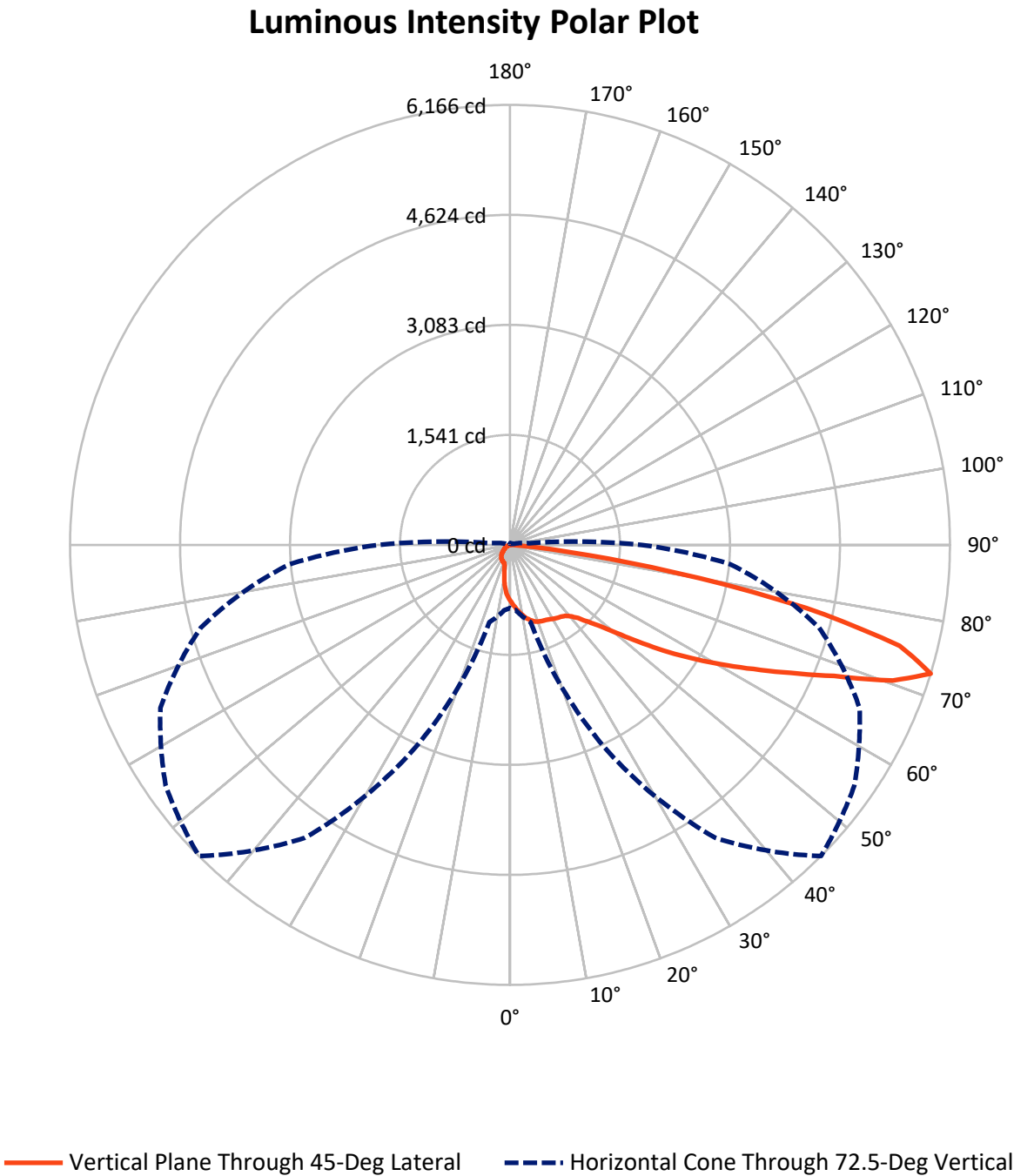
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	753.0	0.0	753.0
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	6413.1	0.0	6413.1
	% Fixture	89.5	0.0	89.5
Total	Lumens	7166.0	0.0	7166.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.0	1.0
10°-20°	216.2	3.0
20°-30°	355.0	5.0
30°-40°	503.5	7.0
40°-50°	832.2	11.6
50°-60°	1494.9	20.9
60°-70°	2075.8	29.0
70°-80°	1505.7	21.0
80°-90°	108.9	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°	7166.0	100.0
0°-180°	7166.0	100.0

Coefficient of Utilization



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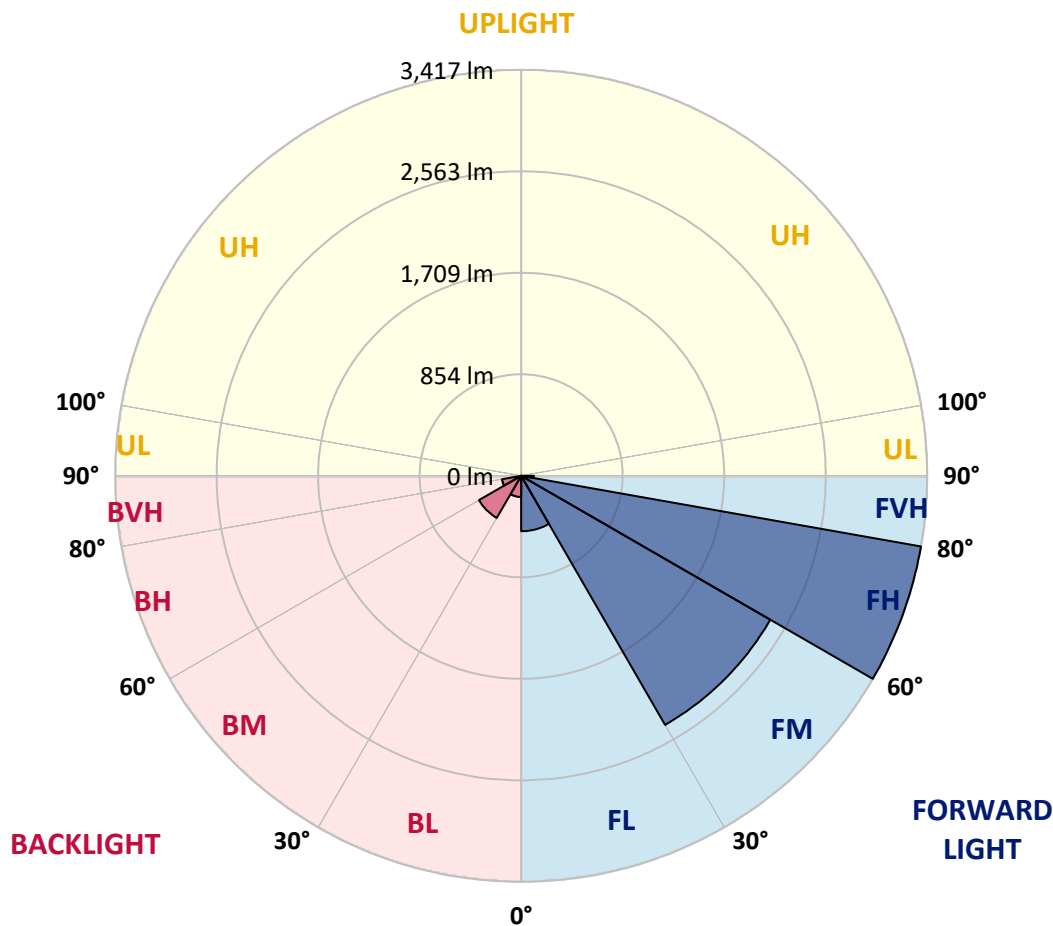
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	466.8	6.5			
FM	(30°-60°)	2421.1	33.8			
FH	(60°-80°)	3417.3	47.7			G2/5000
FVH	(80°-90°)	107.9	1.5			G2/225
BL	(0°-30°)	178.3	2.5	B1/500		
BM	(30°-60°)	409.5	5.7	B1/1000		
BH	(60°-80°)	164.2	2.3	B1/500		G1/500
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°	35°	45°	46°	55°	65°	75°	85°
0°	785.1	785.1	785.1	785.1	785.1	785.1	785.1	785.1	785.1	785.1	785.1
2.5°	857.4	858.9	857.9	852.1	842.3	836.9	834.0	824.2	817.8	806.6	794.8
5°	936.2	942.1	938.6	926.9	908.3	895.1	891.2	871.1	853.0	832.0	807.6
7.5°	1019.8	1022.8	1016.4	1001.2	976.3	953.8	950.4	922.5	893.6	861.4	828.1
10°	1092.2	1095.6	1085.9	1063.9	1035.5	1007.6	1002.7	971.9	937.7	898.0	855.5
12.5°	1152.9	1156.3	1143.6	1117.2	1085.9	1057.0	1052.1	1019.8	982.2	938.1	885.3
15°	1198.9	1205.2	1188.1	1159.7	1126.0	1097.1	1094.7	1062.9	1026.2	977.3	921.0
17.5°	1225.8	1232.1	1216.0	1181.7	1152.9	1128.4	1125.5	1099.1	1064.8	1017.9	955.8
20°	1230.2	1236.0	1218.9	1189.1	1165.1	1145.5	1144.1	1125.0	1100.0	1055.0	993.4
22.5°	1217.0	1224.3	1208.6	1184.7	1168.0	1157.8	1155.8	1145.0	1130.9	1092.7	1028.6
25°	1203.3	1209.1	1197.4	1176.4	1167.5	1166.6	1168.0	1166.1	1163.1	1130.9	1069.7
27.5°	1202.3	1208.6	1195.4	1175.4	1170.5	1180.8	1182.2	1191.5	1194.0	1165.6	1109.3
30°	1210.6	1215.0	1202.3	1181.2	1178.8	1202.3	1202.8	1219.4	1223.3	1194.9	1148.5
32.5°	1228.7	1233.6	1220.9	1190.0	1186.6	1219.4	1220.9	1242.9	1249.2	1226.2	1189.6
35°	1271.2	1277.1	1262.4	1214.5	1202.3	1235.5	1239.9	1265.9	1278.6	1259.5	1232.1
37.5°	1377.4	1360.3	1340.2	1263.9	1238.0	1261.0	1268.3	1298.6	1321.1	1299.1	1283.0
40°	1641.0	1587.2	1524.6	1348.0	1300.6	1315.3	1321.1	1351.5	1382.3	1360.8	1352.9
42.5°	2036.7	1973.1	1872.4	1541.7	1395.0	1402.3	1406.7	1433.1	1476.7	1459.6	1461.5
45°	2389.4	2366.4	2263.7	1872.4	1571.6	1535.4	1540.8	1554.4	1618.5	1612.2	1624.9
47.5°	2660.4	2647.2	2567.9	2251.9	1869.9	1698.3	1713.4	1719.8	1812.2	1834.7	1869.0
50°	2868.7	2863.8	2792.9	2589.4	2259.8	1938.4	1943.8	1930.1	2068.5	2124.3	2189.3
52.5°	3065.4	3082.0	3029.7	2903.0	2676.0	2252.9	2251.9	2187.4	2374.2	2458.4	2569.4
55°	3242.9	3248.8	3254.2	3222.9	3094.7	2611.0	2601.7	2496.0	2728.8	2815.9	2936.2
57.5°	3409.7	3412.2	3460.1	3524.2	3530.5	2995.4	2978.3	2851.6	3116.2	3178.4	3252.2
60°	3521.7	3533.0	3634.2	3812.3	3890.0	3392.1	3382.8	3253.7	3510.5	3539.3	3525.6
62.5°	3360.3	3428.8	3684.1	4037.3	4229.5	3831.8	3827.4	3706.1	3925.3	3901.8	3784.4
65°	2720.0	2836.0	3285.0	4189.4	4562.6	4322.9	4329.3	4200.1	4351.3	4275.0	3994.7
67.5°	1902.7	2025.0	2556.2	4201.6	4934.8	4899.6	4936.3	4733.8	4803.7	4632.5	4044.6
70°	1315.8	1378.9	1724.7	3938.5	5224.9	5693.9	5693.0	5389.2	5253.7	4795.4	3790.3
72.5°	884.8	917.6	1120.1	3124.6	5011.6	6165.9	6137.6	5890.1	5405.4	4484.8	3096.7
75°	373.2	397.2	518.5	1756.0	3964.9	5641.1	5564.3	5205.3	4802.7	3531.5	1932.1
77.5°	118.4	128.6	204.5	628.5	2184.0	4240.3	4159.1	3250.7	3219.0	1771.6	706.3
80°	56.2	65.5	114.9	252.4	859.4	2306.2	2295.0	1474.7	1384.7	478.4	141.8
82.5°	24.5	28.9	63.6	135.0	384.5	822.7	839.3	501.8	415.3	181.5	43.5
85°	7.8	10.3	29.3	62.1	162.4	204.5	202.0	119.3	167.3	98.8	15.2
87.5°	0.0	0.0	9.8	14.2	16.6	11.7	13.2	10.3	46.5	27.4	5.4
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°	785.1	785.1	785.1	785.1	785.1	785.1	785.1	785.1	785.1	785.1	785.1
2.5°	789.0	781.1	767.4	754.7	743.5	732.2	725.4	715.6	714.6	714.6	717.1
5°	794.3	781.6	757.2	731.2	701.4	673.0	644.7	617.3	608.5	602.1	605.1
7.5°	810.0	789.9	751.3	701.9	645.2	583.0	539.5	492.6	474.5	464.7	466.1
10°	832.5	805.1	746.4	659.8	567.9	483.3	421.1	370.3	350.7	342.4	342.4
12.5°	857.4	823.7	737.6	607.5	483.3	382.0	321.4	297.9	294.9	294.9	294.9
15°	887.3	846.2	722.4	545.9	394.7	302.3	280.8	281.7	284.7	286.6	286.6
17.5°	918.1	870.2	698.5	476.9	316.5	272.0	272.4	273.9	276.4	278.3	278.3
20°	951.4	894.1	666.7	403.5	271.5	263.2	264.6	266.1	268.0	269.0	269.5
22.5°	987.1	916.6	629.0	331.6	256.3	255.8	256.3	257.8	260.2	260.2	261.2
25°	1025.2	941.6	586.0	279.3	248.5	248.5	249.5	250.4	252.4	252.4	252.9
27.5°	1064.3	964.6	540.5	251.9	241.6	241.1	241.1	242.6	243.6	244.1	244.6
30°	1107.4	991.5	495.0	246.0	236.2	233.8	232.3	233.3	234.3	234.8	235.8
32.5°	1151.4	1017.4	454.4	248.5	230.9	226.5	221.6	220.6	220.6	222.6	224.0
35°	1200.3	1045.8	423.1	256.8	227.9	215.7	207.9	203.5	204.0	206.9	208.4
37.5°	1259.0	1080.0	400.1	264.1	226.0	203.5	190.8	185.4	182.0	185.4	184.4
40°	1335.8	1130.4	383.5	270.0	223.5	189.3	172.2	163.4	157.0	159.0	158.0
42.5°	1448.8	1209.6	377.1	270.5	218.2	172.7	153.1	141.4	132.1	132.6	130.6
45°	1607.3	1334.8	409.9	264.1	206.4	154.6	133.0	117.4	111.5	110.1	108.1
47.5°	1824.4	1517.3	485.7	250.9	189.3	137.0	113.5	100.3	95.9	93.4	92.0
50°	2115.5	1751.6	569.8	236.2	172.2	120.3	97.3	89.0	86.1	83.6	83.2
52.5°	2453.0	1989.3	638.8	221.6	155.1	105.7	87.1	82.2	79.7	77.8	77.3
55°	2762.6	2153.1	634.9	205.9	138.4	93.9	79.7	76.8	73.9	71.9	70.9
57.5°	2955.3	2176.1	523.4	188.8	119.3	84.6	72.9	70.9	67.5	65.1	64.6
60°	3043.8	2045.0	366.8	166.3	100.3	75.8	65.5	64.6	60.2	56.7	55.8
62.5°	3060.0	1801.5	244.6	138.4	83.6	67.5	58.2	56.7	50.9	45.0	42.1
65°	2994.4	1453.2	169.2	108.1	71.4	58.7	49.9	47.0	40.6	34.7	32.8
67.5°	2787.1	1020.3	117.9	77.8	60.7	46.5	39.6	38.6	33.7	28.9	27.4
70°	2407.0	581.6	78.7	58.2	47.9	31.8	31.3	32.3	27.4	23.5	21.5
72.5°	1845.5	266.1	48.9	42.6	32.8	21.5	24.9	25.4	21.0	17.6	15.7
75°	1086.4	114.0	30.8	27.4	16.6	14.2	18.1	18.6	14.2	11.2	9.8
77.5°	369.8	43.0	19.6	16.1	8.3	7.8	11.7	11.7	7.8	4.4	3.4
80°	84.1	16.1	9.8	6.4	3.9	3.4	3.9	3.4	2.0	0.5	0.0
82.5°	24.0	6.4	3.9	2.4	1.5	1.5	0.5	0.0	0.0	0.0	0.0
85°	6.8	2.9	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.9	0.5	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)