

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: P526939

Luminaire Tested: **GALN-SA1D-830-U-T2-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526939
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-13)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1D-830-U-T2-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS
WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3669 lumens
Efficiency: N/A
Efficacy: 56.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

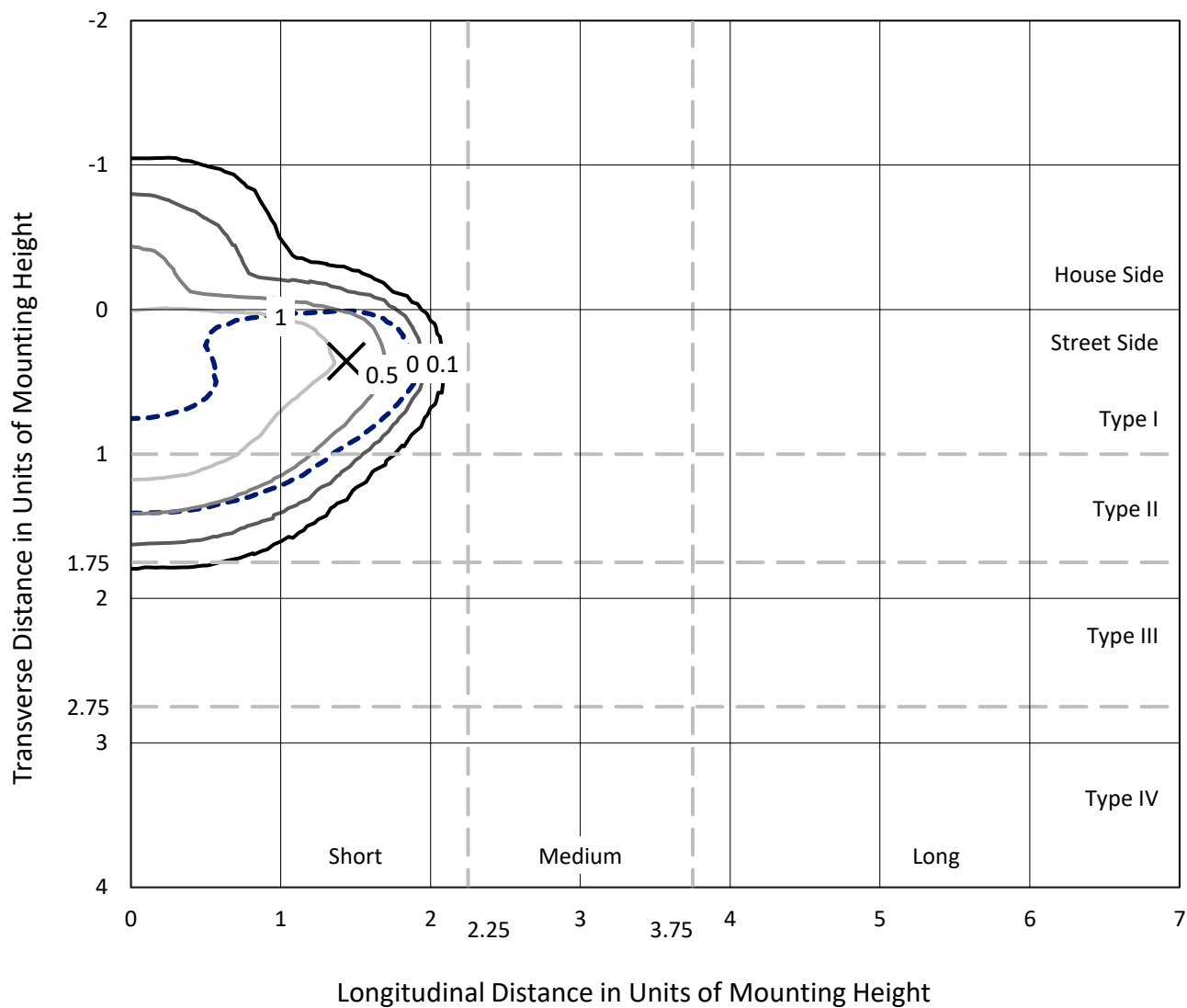
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P526939
 CATALOG NUMBER: GALN-SA1D-830-U-T2-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

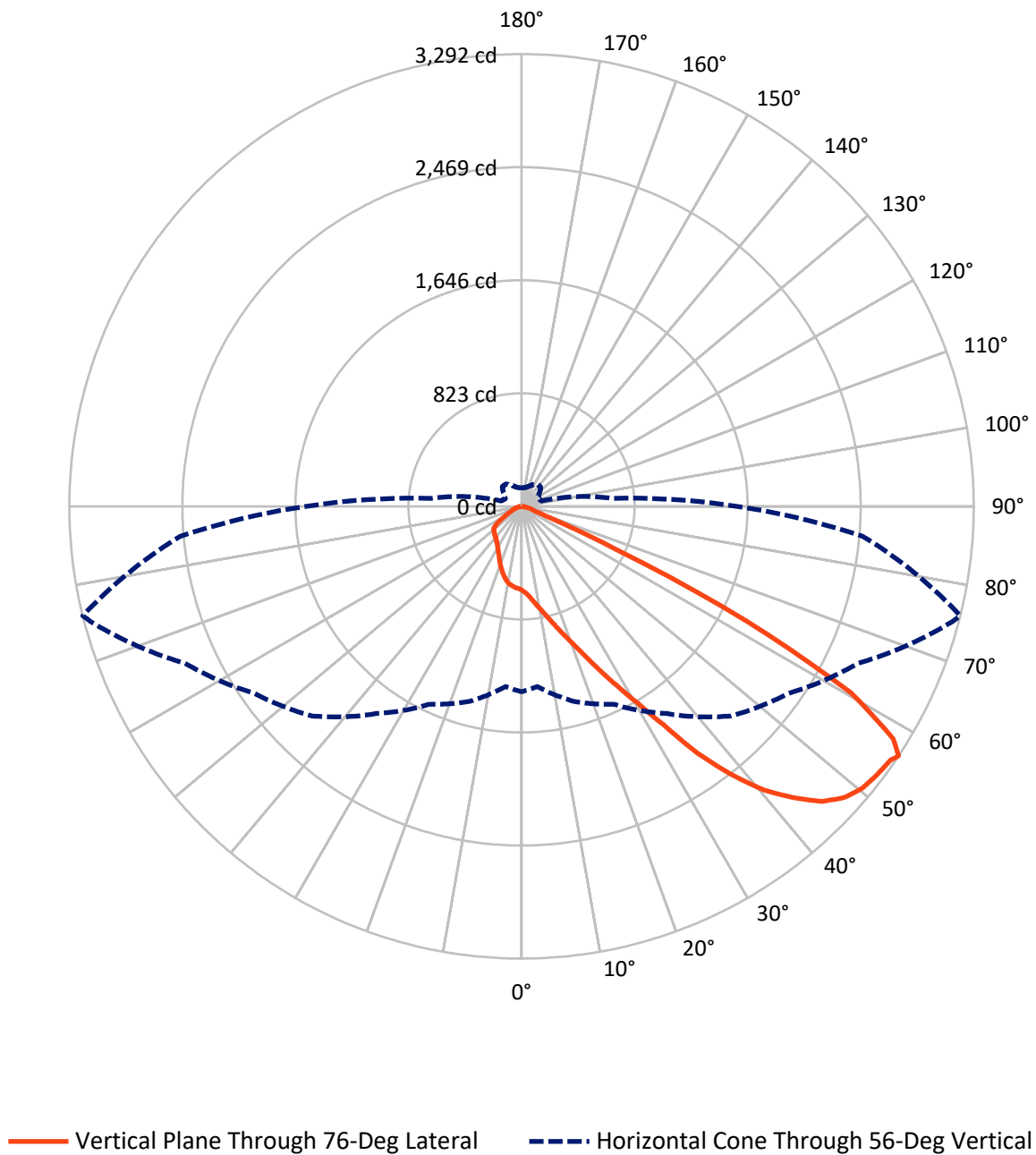
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type II - Short - N/A

REPORT NUMBER: P526939
CATALOG NUMBER: GALN-SA1D-830-U-T2-GRSBK

Luminous Intensity Polar Plot



REPORT NUMBER: P526939

CATALOG NUMBER: GALN-SA1D-830-U-T2-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	576.4	0.0	576.4
	% Fixture	15.7	0.0	15.7
Street Side	Lumens	3092.6	0.0	3092.6
	% Fixture	84.3	0.0	84.3
Total	Lumens	3669.0	0.0	3669.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.5	1.7
10°-20°	197.6	5.4
20°-30°	358.4	9.8
30°-40°	618.0	16.8
40°-50°	1004.0	27.4
50°-60°	1058.3	28.8
60°-70°	323.3	8.8
70°-80°	41.5	1.1
80°-90°	6.3	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°	3669.0	100.0
0°-180°	3669.0	100.0

Coefficient of Utilization



REPORT NUMBER: P526939

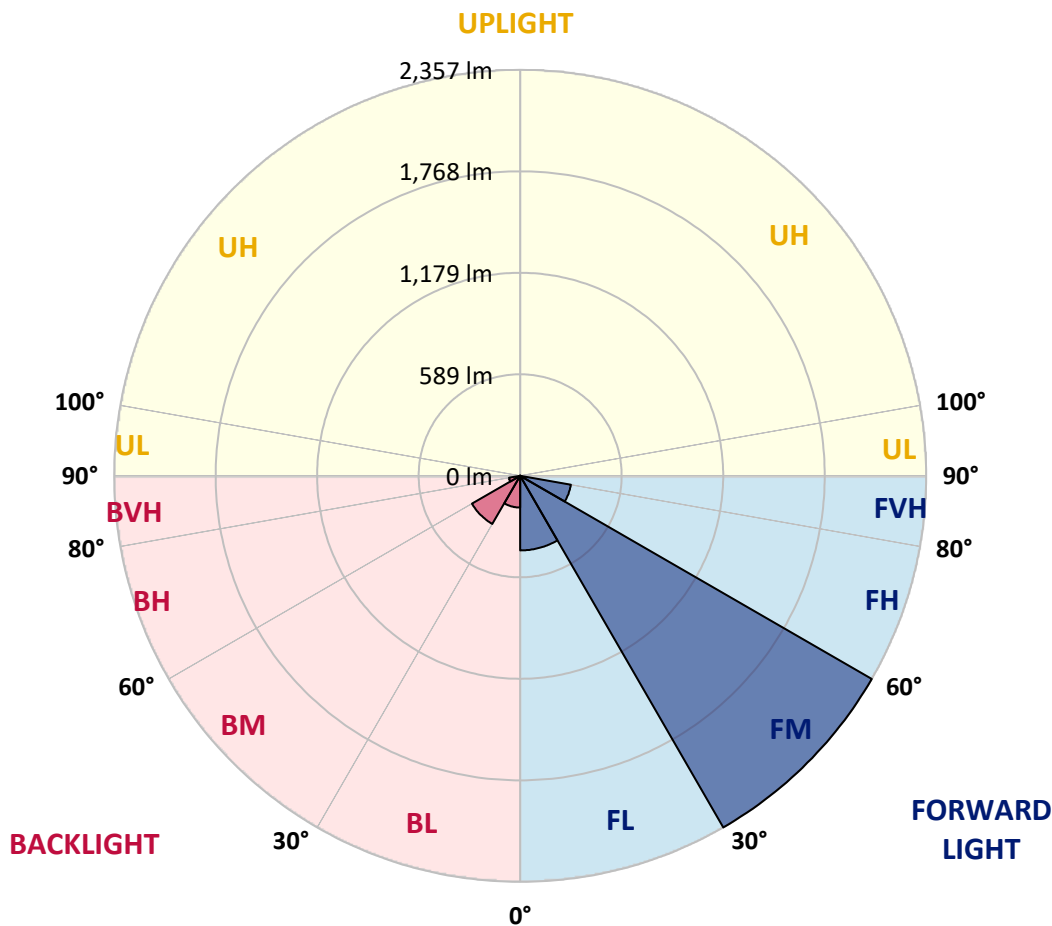
CATALOG NUMBER: GALN-SA1D-830-U-T2-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	433.2	11.8			
FM	(30°-60°)	2357.3	64.2			
FH	(60°-80°)	299.0	8.2			G0/660
FVH	(80°-90°)	3.1	0.1			G0/10
BL	(0°-30°)	184.4	5.0	B1/500		
BM	(30°-60°)	323.0	8.8	B1/1000		
BH	(60°-80°)	65.8	1.8	B0/110		G0/110
BVH	(80°-90°)	3.2	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0

Type II Short



REPORT NUMBER: P526939

CATALOG NUMBER: GALN-SA1D-830-U-T2-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	610.7	610.7	610.7	610.7	610.7	610.7	610.7	610.7	610.7	610.7	610.7
2.5°	703.4	687.1	687.8	686.5	684.4	677.0	654.7	651.3	636.4	632.4	618.8
5°	787.9	773.7	781.8	769.6	758.1	751.4	714.9	698.0	674.3	665.5	646.6
7.5°	840.7	833.9	831.2	831.9	821.0	804.1	787.9	750.7	718.9	712.2	672.3
10°	866.4	862.3	866.4	864.3	869.1	871.1	842.7	820.4	773.7	762.2	700.0
12.5°	872.4	880.6	883.9	892.7	904.2	923.8	921.8	891.4	829.2	821.7	742.6
15°	887.3	894.1	890.7	904.9	926.5	959.7	977.3	972.5	905.6	892.1	792.0
17.5°	900.8	888.7	900.2	928.6	950.2	1000.9	1043.6	1063.2	988.8	973.2	837.3
20°	919.1	915.7	913.7	927.9	966.5	1034.1	1118.6	1154.5	1082.1	1065.9	902.2
22.5°	974.6	975.2	973.9	952.9	980.7	1057.1	1184.2	1272.8	1193.7	1180.2	975.9
25°	1047.6	1038.8	1032.1	1015.1	1011.8	1078.0	1250.5	1417.6	1327.6	1318.1	1055.7
27.5°	1124.7	1124.7	1104.4	1088.9	1067.2	1130.1	1311.4	1558.2	1489.2	1476.4	1125.4
30°	1208.6	1213.3	1210.6	1177.5	1163.9	1186.9	1373.6	1738.1	1674.6	1658.3	1240.4
32.5°	1332.3	1322.2	1333.7	1306.0	1266.1	1286.3	1471.7	1899.1	1915.3	1892.3	1391.2
35°	1496.0	1489.9	1482.5	1437.2	1389.8	1406.1	1610.3	2097.2	2217.6	2206.1	1543.3
37.5°	1642.8	1639.4	1633.3	1602.2	1547.4	1567.0	1767.9	2303.5	2512.5	2474.6	1758.4
40°	1797.0	1815.2	1795.6	1767.9	1717.8	1761.1	1953.2	2425.9	2760.7	2714.7	1922.8
42.5°	2005.9	1991.7	2000.5	1949.8	1922.8	1970.1	2139.2	2548.3	2953.5	2898.7	2097.2
45°	2228.5	2229.1	2205.5	2189.2	2118.9	2170.3	2253.5	2616.0	3107.0	3064.4	2229.1
47.5°	2371.2	2370.5	2396.2	2421.9	2349.5	2298.8	2331.3	2680.2	3186.1	3166.5	2277.1
50°	2348.8	2355.6	2388.7	2484.8	2522.6	2454.3	2404.3	2661.3	3222.0	3219.9	2318.4
52.5°	2043.1	2065.5	2120.9	2259.6	2450.3	2534.8	2480.7	2696.5	3239.5	3242.9	2379.9
55°	1555.5	1567.7	1673.2	1841.6	2052.6	2342.1	2450.3	2724.2	3253.1	3259.2	2454.3
56°	1349.2	1316.8	1469.0	1588.7	1840.9	2157.4	2373.2	2702.5	3244.9	3291.6	2491.5
57.5°	1018.5	996.9	1120.0	1269.4	1512.2	1846.3	2133.8	2600.4	3190.2	3189.5	2438.1
60°	619.5	597.9	692.5	780.5	916.4	1136.9	1441.9	2070.9	2697.1	2753.9	1974.2
62.5°	368.6	382.1	475.4	528.9	572.8	595.8	746.0	1230.9	1799.7	1840.2	1224.8
65°	245.5	250.2	320.6	408.5	428.1	340.9	303.7	498.4	780.5	755.4	505.2
67.5°	151.5	162.3	215.1	307.0	340.2	248.9	144.1	186.0	215.1	215.1	146.1
70°	92.0	97.4	143.4	209.0	233.3	160.3	104.8	104.8	103.5	101.4	87.2
72.5°	44.0	47.3	73.0	107.5	109.6	84.5	81.2	88.6	86.6	85.9	72.4
75°	18.9	20.3	25.7	33.8	38.5	35.8	49.4	63.6	65.6	63.6	52.1
77.5°	6.1	6.8	9.5	12.2	12.8	15.6	21.0	26.4	30.4	28.4	25.7
80°	0.7	1.4	2.7	6.1	9.5	12.2	15.6	17.6	19.6	19.6	18.3
82.5°	0.7	0.7	2.7	5.4	8.8	11.5	14.9	16.9	19.6	20.3	18.9
85°	0.0	0.7	2.0	4.7	7.4	7.4	6.8	6.8	4.7	4.7	4.7
87.5°	0.0	0.0	0.7	0.7	0.7	1.4	1.4	1.4	1.4	1.4	1.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P526939

CATALOG NUMBER: GALN-SA1D-830-U-T2-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	610.7	610.7	610.7	610.7	610.7	610.7	610.7	610.7	610.7	610.7	610.7
2.5°	616.1	614.8	596.5	585.0	578.9	566.8	559.3	553.9	549.8	545.1	545.8
5°	624.2	619.5	589.1	568.1	543.1	529.6	518.1	508.6	502.5	501.1	498.4
7.5°	647.2	622.2	576.2	538.3	506.6	493.0	482.9	476.8	479.5	473.4	478.2
10°	664.8	627.6	560.7	505.9	474.1	464.0	458.5	463.3	470.0	467.3	464.0
12.5°	686.5	633.0	535.6	474.8	445.0	437.6	447.0	455.8	469.4	474.8	468.0
15°	710.8	639.1	503.9	438.9	420.0	426.1	442.3	457.9	471.4	478.2	482.2
17.5°	740.6	637.1	472.7	410.5	396.3	413.9	433.5	447.7	468.0	478.2	475.4
20°	768.3	630.3	438.3	382.1	382.8	399.0	415.3	438.3	449.1	462.6	457.9
22.5°	794.7	618.2	402.4	362.5	362.5	387.5	395.6	410.5	420.0	426.8	426.1
25°	831.9	595.2	372.6	343.6	351.7	367.9	374.7	379.4	375.4	380.8	381.4
27.5°	858.2	571.5	348.3	326.7	341.5	353.7	351.7	349.0	339.5	332.1	336.8
30°	886.6	543.8	327.3	315.2	323.3	334.1	326.0	317.9	303.0	290.8	291.5
32.5°	927.2	530.9	309.1	301.6	312.5	313.8	305.0	292.8	278.0	266.5	265.8
35°	1003.0	522.8	293.5	292.8	294.9	295.5	286.8	271.9	265.8	256.3	259.7
37.5°	1078.7	518.7	282.7	280.0	279.3	280.0	269.8	255.6	267.1	266.5	267.8
40°	1175.4	537.0	267.1	263.8	264.4	264.4	251.6	247.5	267.8	269.8	270.5
42.5°	1273.5	560.0	257.0	246.2	248.9	248.9	242.1	237.4	251.6	238.1	236.0
45°	1358.7	593.8	246.2	228.6	235.4	238.7	236.7	228.6	219.8	196.8	196.8
47.5°	1386.4	623.6	233.3	211.7	217.1	232.0	225.9	209.0	193.4	174.5	173.1
50°	1435.1	656.0	223.2	192.1	203.6	221.8	215.7	198.8	181.3	167.7	168.4
52.5°	1485.2	693.2	204.2	169.1	183.3	213.7	213.7	194.8	167.7	158.3	156.9
55°	1560.3	691.9	170.4	138.6	163.7	201.5	204.9	174.5	150.1	142.7	142.7
56°	1571.1	660.8	153.5	129.9	154.9	198.2	198.8	169.1	143.4	135.3	135.3
57.5°	1489.9	596.5	134.6	119.0	144.1	192.1	192.7	164.3	138.0	126.5	125.1
60°	1146.4	403.8	112.3	106.2	130.5	173.1	176.5	149.5	121.1	112.3	111.6
62.5°	647.2	223.9	98.7	96.0	112.3	147.4	157.6	130.5	102.8	98.1	99.4
65°	295.5	123.1	83.2	77.8	90.6	113.6	127.1	107.5	84.5	79.1	79.1
67.5°	108.2	83.9	71.0	61.5	63.6	73.7	82.5	69.7	56.1	48.0	50.0
70°	77.1	70.3	62.2	53.4	49.4	48.0	47.3	39.2	27.7	21.6	23.0
72.5°	62.2	58.2	52.1	45.3	38.5	32.5	27.7	20.3	12.8	8.8	8.1
75°	44.6	42.6	37.9	32.5	27.1	23.0	18.9	12.8	6.8	3.4	3.4
77.5°	23.0	23.0	22.3	20.3	16.9	13.5	10.8	7.4	4.1	1.4	1.4
80°	17.6	18.9	19.6	17.6	15.6	12.2	8.8	5.4	2.7	0.7	0.7
82.5°	16.9	19.6	21.0	18.3	15.6	11.5	8.8	5.4	2.7	0.7	0.7
85°	4.1	4.1	6.1	6.8	8.8	9.5	7.4	4.7	2.0	0.7	0.7
87.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.7	0.7	0.7	0.7	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)