

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: P534574

Luminaire Tested: **GALN-SA2A-AMB-U-SL3**

Issue Date: 6/10/2021

Test Information

Test Method: LM-79-08
Report Number: P534574
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-067-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/10/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA2A-AMB-U-SL3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) NARROW BAND AMBER, 500mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2255 lumens
Efficiency: N/A
Efficacy: 54.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 41.1
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



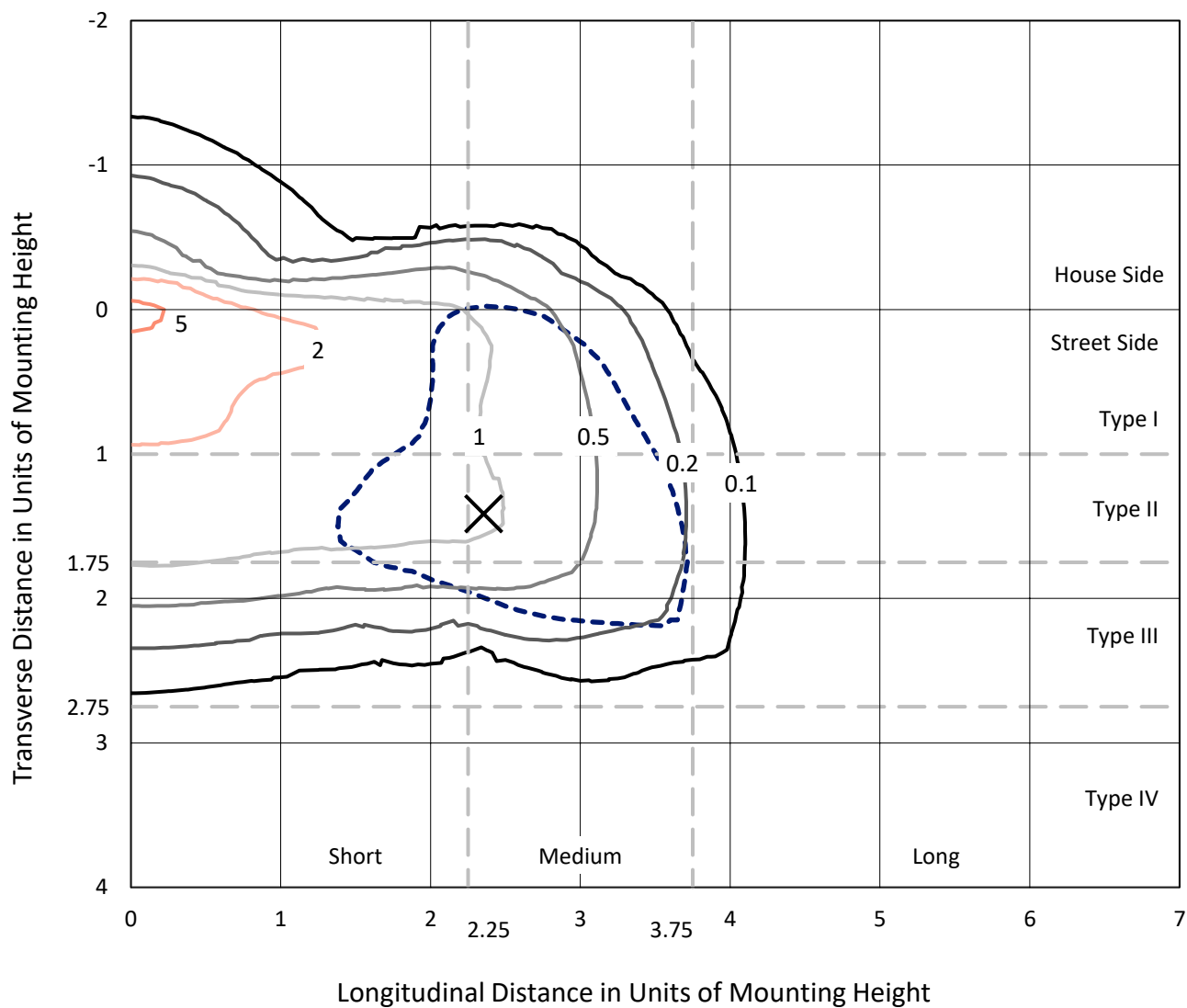
REPORT NUMBER: P534574

CATALOG NUMBER: GALN-SA2A-AMB-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

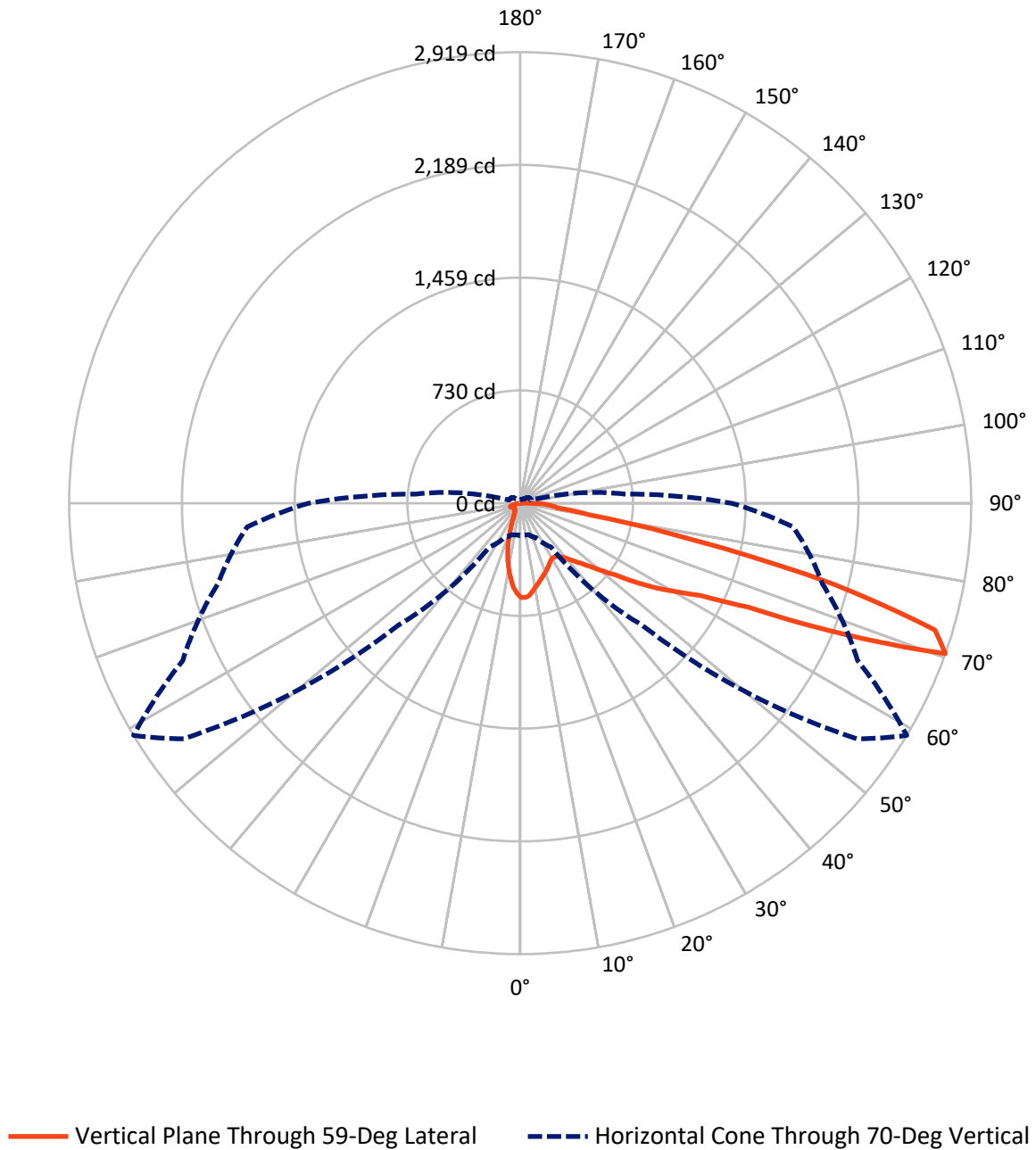


Based on 10 foot mounting height. Maximum calculated value = 6.1 fc
 Type III - Medium - N/A

REPORT NUMBER: P534574

CATALOG NUMBER: GALN-SA2A-AMB-U-SL3

Luminous Intensity Polar Plot



REPORT NUMBER: P534574

CATALOG NUMBER: GALN-SA2A-AMB-U-SL3

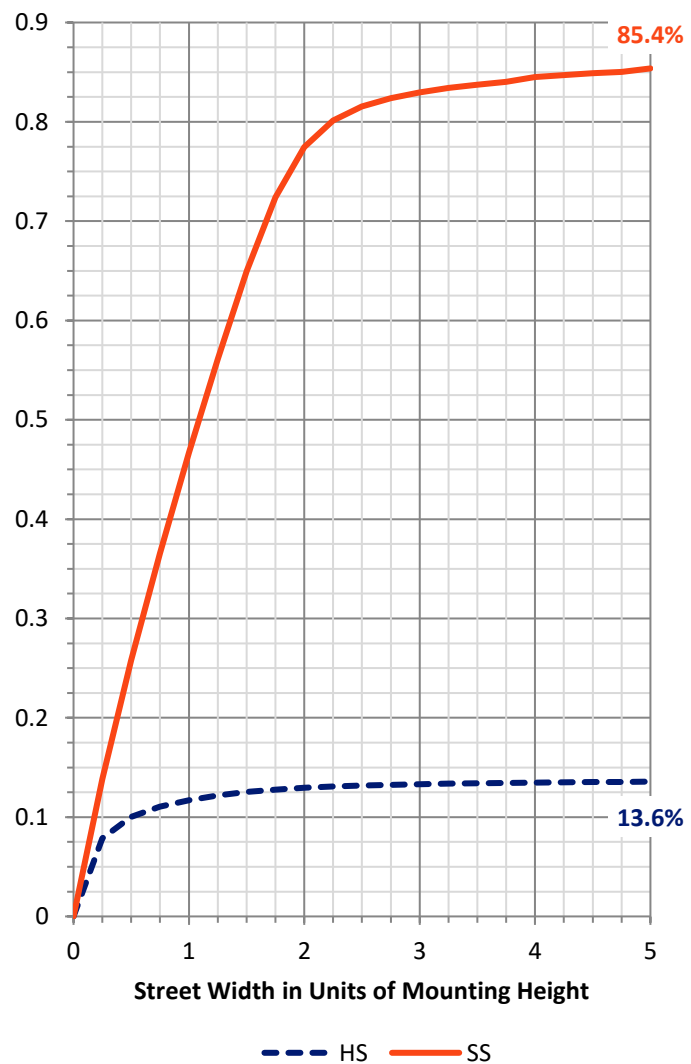
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	309.0	0.0	309.0
	% Fixture	13.7	0.0	13.7
Street Side	Lumens	1946.0	0.0	1946.0
	% Fixture	86.3	0.0	86.3
Total	Lumens	2255.0	0.0	2255.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.1	2.2
10°-20°	104.8	4.6
20°-30°	132.4	5.9
30°-40°	173.3	7.7
40°-50°	257.4	11.4
50°-60°	421.7	18.7
60°-70°	656.1	29.1
70°-80°	406.4	18.0
80°-90°	53.0	2.3
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°	2255.0	100.0
0°-180°	2255.0	100.0

Coefficient of Utilization



REPORT NUMBER: P534574

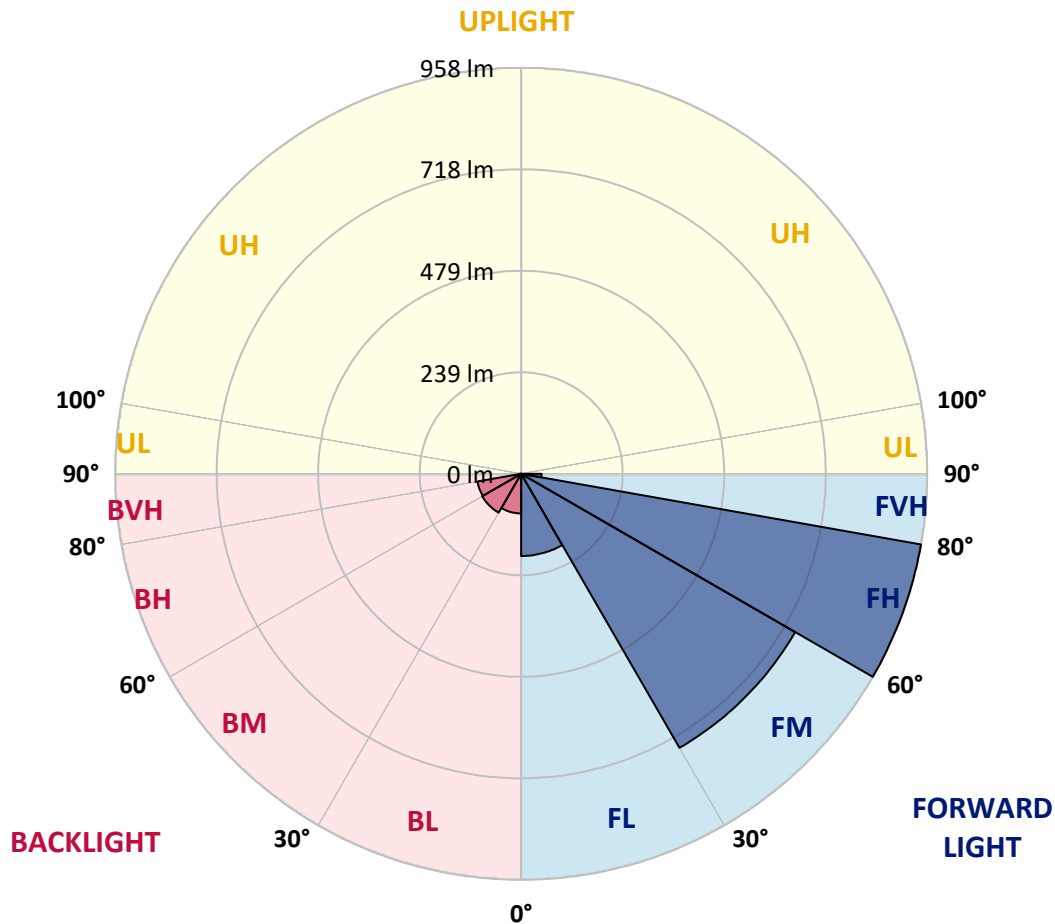
CATALOG NUMBER: GALN-SA2A-AMB-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	193.9	8.6			
FM	(30°-60°)	746.4	33.1			
FH	(60°-80°)	957.8	42.5			G1/1800
FVH	(80°-90°)	47.9	2.1			G1/100
BL	(0°-30°)	93.4	4.1	B0/110		
BM	(30°-60°)	105.9	4.7	B0/220		
BH	(60°-80°)	104.6	4.6	B0/110		G0/110
BVH	(80°-90°)	5.1	0.2			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type III Medium



REPORT NUMBER: P534574

CATALOG NUMBER: GALN-SA2A-AMB-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9
2.5°	612.9	612.9	612.9	607.9	616.9	613.9	614.9	611.9	613.9	610.9	607.9
5°	582.9	582.9	580.9	581.9	589.9	595.9	599.9	601.9	597.9	599.9	593.9
7.5°	532.9	536.9	537.9	542.9	552.9	563.9	570.9	575.9	577.9	578.9	571.9
10°	485.9	486.9	493.9	499.9	516.9	529.9	545.9	549.9	555.9	563.9	556.9
12.5°	451.9	456.9	458.9	466.9	484.9	499.9	518.9	528.9	537.9	552.9	549.9
15°	421.0	420.0	424.0	437.0	455.9	477.9	499.9	507.9	521.9	541.9	537.9
17.5°	397.0	397.0	402.0	413.0	428.0	450.9	480.9	489.9	508.9	534.9	526.9
20°	385.0	386.0	388.0	391.0	403.0	430.0	457.9	472.9	493.9	528.9	518.9
22.5°	383.0	382.0	381.0	382.0	389.0	404.0	436.0	454.9	482.9	525.9	508.9
25°	386.0	385.0	384.0	383.0	383.0	393.0	421.0	437.0	469.9	524.9	498.9
27.5°	394.0	396.0	391.0	386.0	381.0	385.0	404.0	421.0	456.9	528.9	493.9
30°	408.0	409.0	407.0	400.0	390.0	385.0	397.0	412.0	446.0	532.9	489.9
32.5°	424.0	424.0	424.0	418.0	406.0	392.0	398.0	412.0	445.0	542.9	486.9
35°	441.0	445.0	445.0	439.0	429.0	406.0	410.0	423.0	452.9	555.9	494.9
37.5°	464.9	465.9	464.9	465.9	454.9	431.0	432.0	443.0	466.9	574.9	506.9
40°	487.9	484.9	491.9	497.9	490.9	463.9	460.9	472.9	491.9	605.9	528.9
42.5°	508.9	509.9	514.9	525.9	531.9	506.9	501.9	510.9	523.9	642.9	565.9
45°	528.9	531.9	550.9	562.9	574.9	549.9	546.9	556.9	570.9	686.9	620.9
47.5°	546.9	548.9	572.9	601.9	622.9	611.9	607.9	614.9	621.9	750.9	689.9
50°	563.9	570.9	601.9	638.9	674.9	686.9	678.9	686.9	685.9	815.9	765.9
52.5°	610.9	617.9	651.9	688.9	730.9	763.9	776.9	771.9	764.9	887.9	852.9
55°	712.9	709.9	727.9	750.9	798.9	841.9	905.9	897.9	866.9	962.9	938.9
57.5°	812.9	828.9	828.9	822.9	870.9	944.9	1029.9	1031.9	972.9	1043.9	1040.9
60°	852.9	870.9	911.9	965.9	1022.9	1062.9	1162.9	1162.9	1080.9	1135.9	1145.9
62.5°	760.9	786.9	850.9	960.9	1164.9	1375.8	1364.8	1318.9	1225.9	1267.9	1311.9
65°	469.9	476.9	556.9	774.9	1110.9	1653.8	1754.8	1621.8	1446.8	1490.8	1586.8
67.5°	283.0	287.0	305.0	398.0	705.9	1624.8	2357.7	2270.7	1852.8	1799.8	1810.8
70°	209.0	206.0	211.0	249.0	346.0	1120.9	2658.7	2918.7	2408.7	2025.8	1773.8
72.5°	166.0	168.0	170.0	207.0	258.0	465.9	2316.7	2806.7	2585.7	1907.8	1343.8
75°	130.0	131.0	141.0	175.0	247.0	251.0	1466.8	2096.8	1922.8	1288.9	589.9
77.5°	97.0	100.0	110.0	146.0	237.0	241.0	638.9	1148.9	976.9	529.9	158.0
80°	64.0	65.0	75.0	120.0	224.0	242.0	289.0	449.9	301.0	113.0	58.0
82.5°	36.0	38.0	47.0	75.0	185.0	235.0	243.0	241.0	137.0	56.0	31.0
85°	20.0	20.0	28.0	44.0	110.0	228.0	230.0	203.0	95.0	31.0	17.0
87.5°	9.0	9.0	13.0	20.0	52.0	151.0	170.0	145.0	60.0	13.0	6.0
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: P534574

CATALOG NUMBER: GALN-SA2A-AMB-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9
2.5°	602.9	598.9	593.9	582.9	581.9	573.9	571.9	562.9	557.9	564.9	558.9
5°	591.9	586.9	567.9	560.9	536.9	521.9	510.9	496.9	486.9	486.9	487.9
7.5°	570.9	561.9	535.9	510.9	480.9	455.9	431.0	403.0	390.0	388.0	379.0
10°	551.9	537.9	501.9	462.9	422.0	378.0	340.0	303.0	274.0	253.0	254.0
12.5°	535.9	518.9	469.9	417.0	356.0	300.0	243.0	199.0	170.0	163.0	163.0
15°	523.9	495.9	434.0	365.0	293.0	220.0	165.0	134.0	120.0	113.0	113.0
17.5°	504.9	469.9	398.0	315.0	224.0	155.0	122.0	108.0	102.0	100.0	99.0
20°	485.9	446.0	351.0	253.0	162.0	113.0	99.0	93.0	91.0	91.0	92.0
22.5°	468.9	416.0	306.0	190.0	116.0	93.0	85.0	83.0	84.0	86.0	85.0
25°	452.9	391.0	262.0	139.0	90.0	78.0	76.0	76.0	78.0	80.0	81.0
27.5°	438.0	372.0	214.0	103.0	76.0	69.0	69.0	71.0	74.0	75.0	76.0
30°	427.0	350.0	169.0	82.0	66.0	64.0	64.0	66.0	67.0	69.0	69.0
32.5°	418.0	332.0	129.0	70.0	61.0	60.0	60.0	61.0	62.0	63.0	64.0
35°	415.0	313.0	101.0	62.0	58.0	57.0	57.0	57.0	58.0	59.0	59.0
37.5°	418.0	299.0	82.0	58.0	55.0	54.0	54.0	54.0	54.0	54.0	54.0
40°	432.0	289.0	71.0	56.0	53.0	52.0	51.0	51.0	51.0	52.0	52.0
42.5°	460.9	280.0	66.0	54.0	52.0	50.0	49.0	48.0	48.0	50.0	50.0
45°	499.9	281.0	63.0	53.0	51.0	48.0	46.0	46.0	47.0	49.0	50.0
47.5°	548.9	291.0	61.0	52.0	49.0	46.0	45.0	45.0	46.0	49.0	49.0
50°	608.9	310.0	61.0	52.0	49.0	45.0	44.0	44.0	45.0	48.0	49.0
52.5°	676.9	343.0	62.0	52.0	49.0	45.0	43.0	43.0	44.0	47.0	47.0
55°	765.9	389.0	64.0	53.0	48.0	45.0	43.0	41.0	42.0	44.0	44.0
57.5°	843.9	456.9	67.0	53.0	48.0	45.0	42.0	39.0	39.0	41.0	41.0
60°	967.9	550.9	79.0	56.0	48.0	43.0	39.0	36.0	36.0	37.0	37.0
62.5°	1132.9	710.9	91.0	61.0	51.0	42.0	37.0	34.0	33.0	33.0	33.0
65°	1409.8	886.9	93.0	67.0	56.0	42.0	34.0	31.0	30.0	30.0	30.0
67.5°	1517.8	889.9	85.0	70.0	62.0	42.0	33.0	29.0	27.0	27.0	27.0
70°	1367.8	678.9	75.0	70.0	65.0	41.0	32.0	28.0	25.0	24.0	24.0
72.5°	931.9	362.0	67.0	66.0	58.0	36.0	31.0	26.0	23.0	22.0	21.0
75°	373.0	126.0	58.0	60.0	45.0	29.0	26.0	23.0	21.0	19.0	19.0
77.5°	94.0	62.0	44.0	47.0	32.0	23.0	22.0	21.0	18.0	17.0	17.0
80°	52.0	42.0	33.0	32.0	21.0	16.0	16.0	16.0	15.0	14.0	14.0
82.5°	29.0	26.0	22.0	20.0	14.0	11.0	11.0	11.0	11.0	10.0	9.0
85°	16.0	15.0	13.0	10.0	8.0	6.0	6.0	6.0	6.0	5.0	5.0
87.5°	6.0	6.0	5.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
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)