

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: P534572

Luminaire Tested: **GALN-SA2A-AMB-U-SL2**

Issue Date: 6/10/2021

Test Information

Test Method: LM-79-08
Report Number: P534572
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-067-4)
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-SL2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) NARROW BAND AMBER, 500mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2278.1 lumens
Efficiency: N/A
Efficacy: 55.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - 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

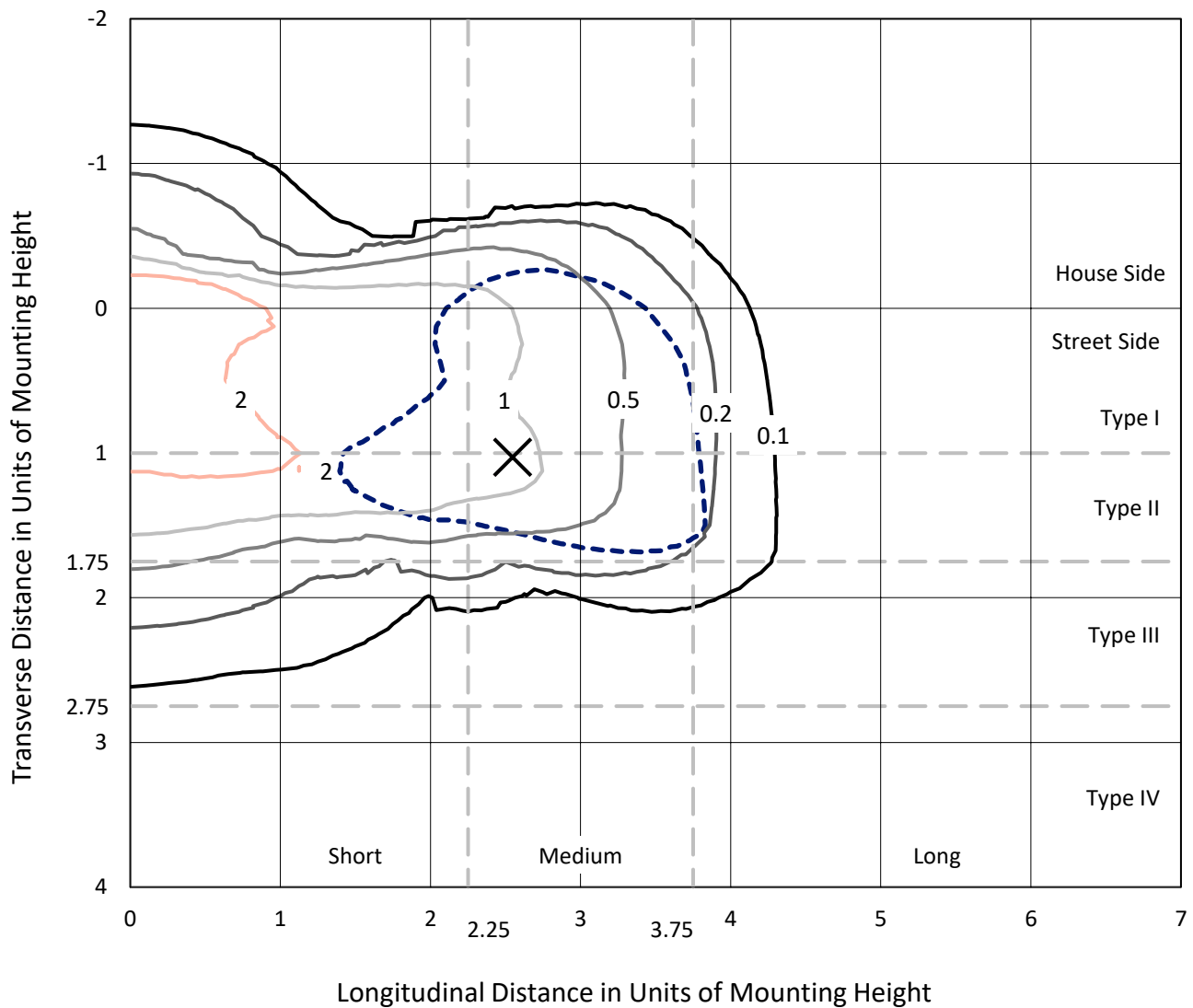


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

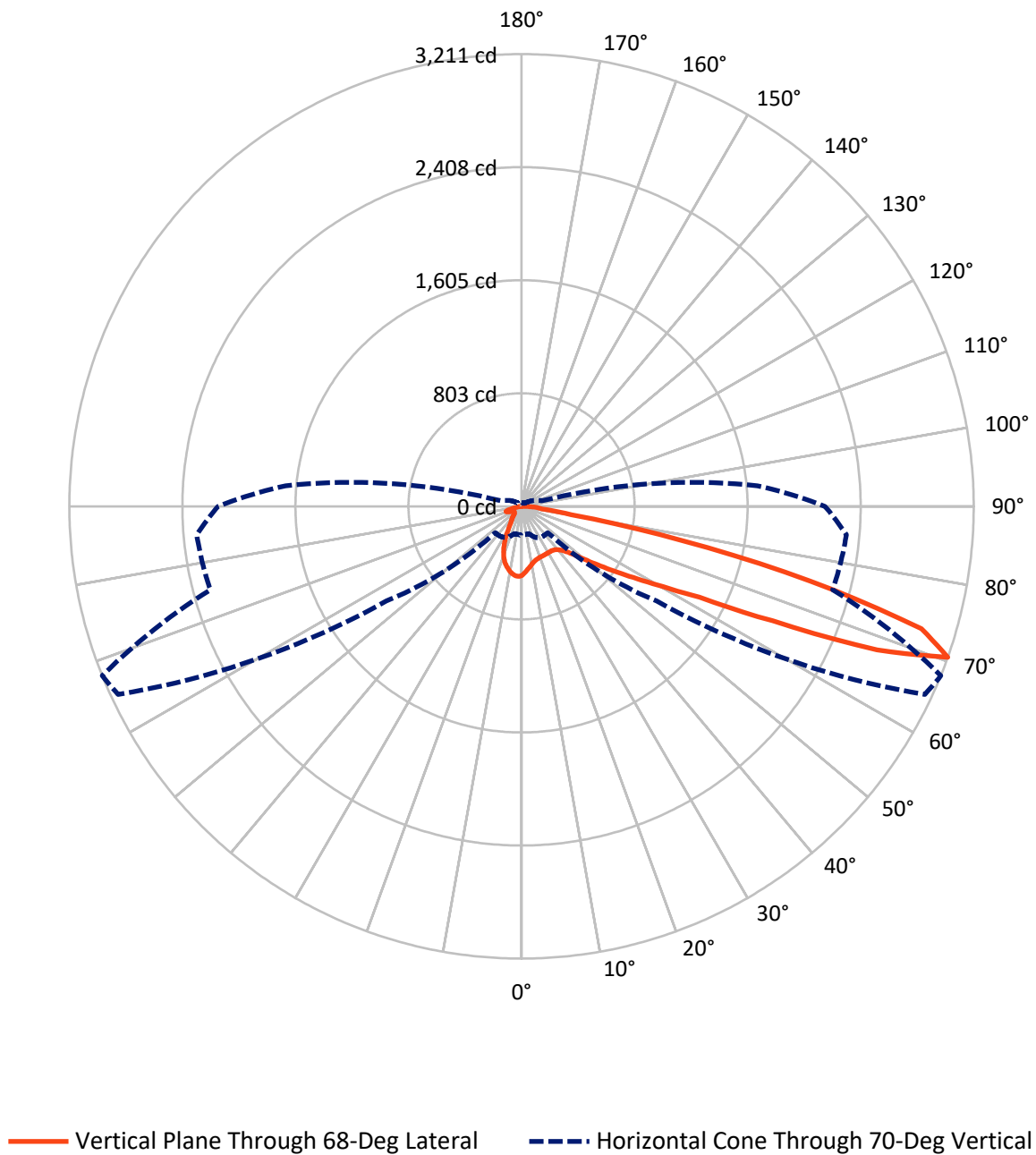


Based on 10 foot mounting height. Maximum calculated value = 4.9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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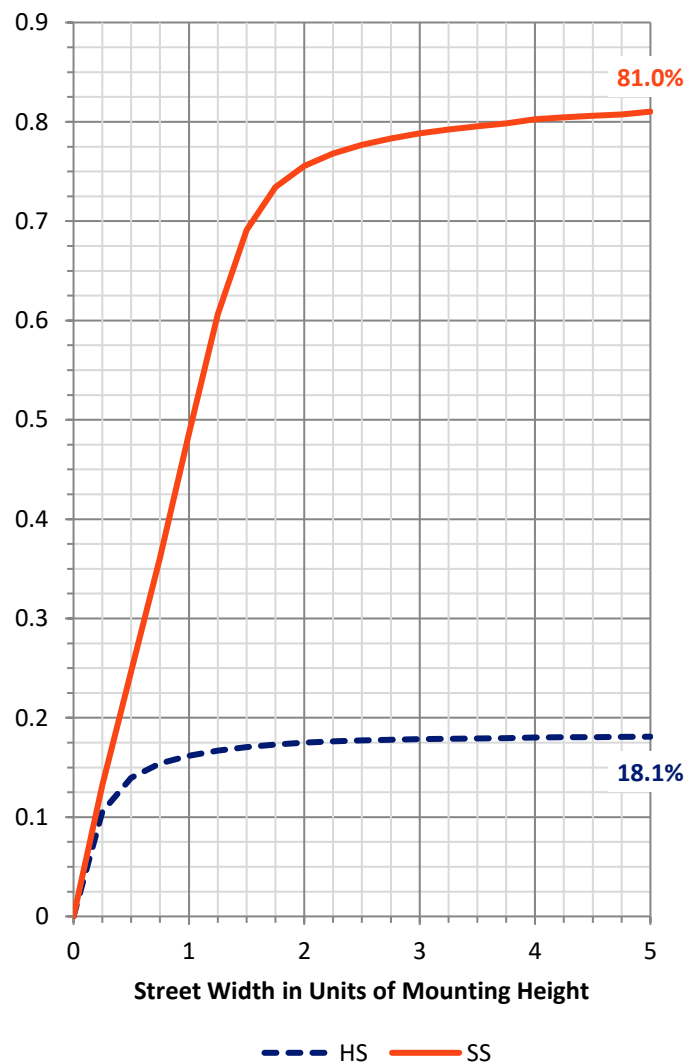
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	416.7	0.0	416.7
	% Fixture	18.3	0.0	18.3
Street Side	Lumens	1861.4	0.0	1861.4
	% Fixture	81.7	0.0	81.7
Total	Lumens	2278.1	0.0	2278.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.7	1.8
10°-20°	95.7	4.2
20°-30°	128.9	5.7
30°-40°	177.2	7.8
40°-50°	269.3	11.8
50°-60°	447.8	19.7
60°-70°	629.5	27.6
70°-80°	435.6	19.1
80°-90°	52.4	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°	2278.1	100.0
0°-180°	2278.1	100.0

Coefficient of Utilization



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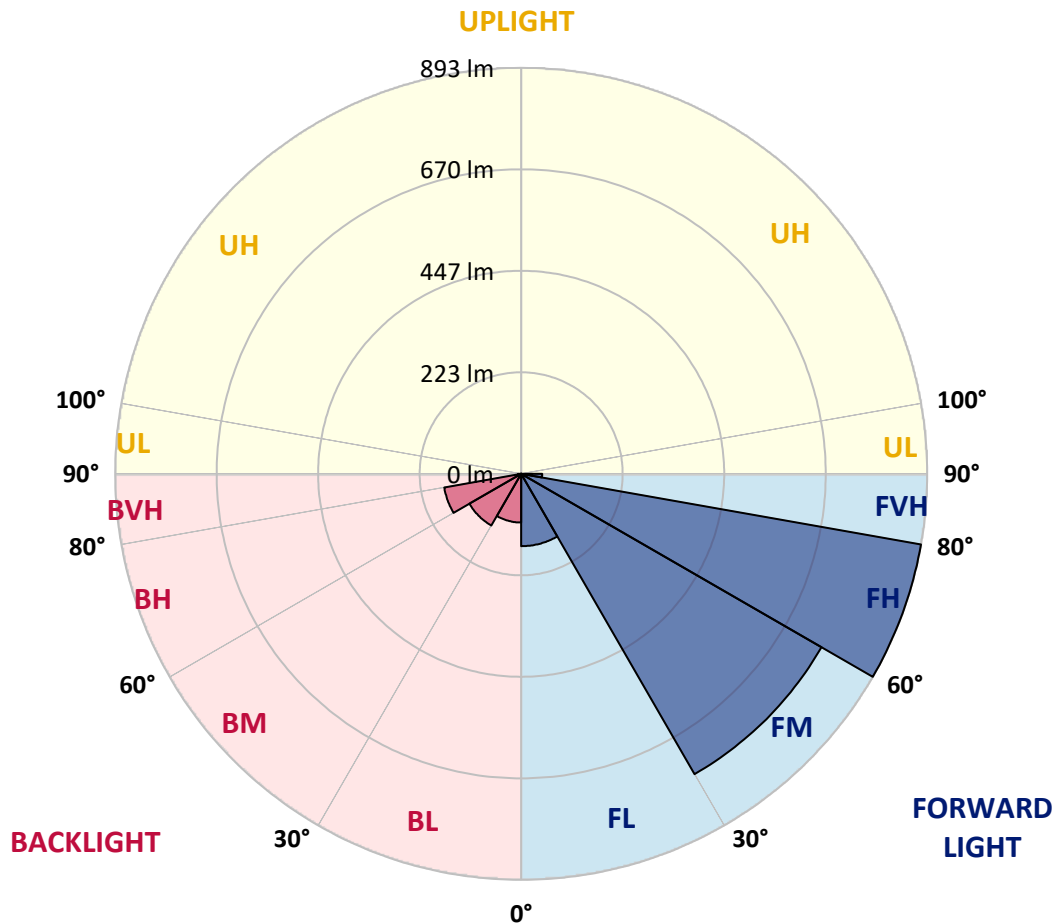
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	159.2	7.0			
FM	(30°-60°)	762.9	33.5			
FH	(60°-80°)	893.2	39.2			G1/1800
FVH	(80°-90°)	46.1	2.0			G1/100
BL	(0°-30°)	107.1	4.7	B0/110		
BM	(30°-60°)	131.3	5.8	B0/220		
BH	(60°-80°)	171.9	7.5	B1/500		G1/500
BVH	(80°-90°)	6.3	0.3			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	490.0	490.0	490.0	490.0	490.0	490.0	490.0	490.0	490.0	490.0	490.0
2.5°	445.0	444.0	446.0	446.0	449.0	455.0	459.0	466.0	471.0	476.0	482.0
5°	410.0	409.0	413.0	414.0	422.0	431.0	437.0	447.0	449.0	459.0	473.0
7.5°	382.0	382.0	383.0	388.0	394.0	401.0	412.0	425.0	433.0	445.0	470.0
10°	360.0	359.0	362.0	364.0	373.0	381.0	393.0	408.0	415.0	429.0	464.0
12.5°	342.0	341.0	343.0	347.0	355.0	362.0	375.0	397.0	402.0	419.0	463.0
15°	330.0	329.0	330.0	334.0	341.0	351.0	365.0	383.0	392.0	415.0	466.0
17.5°	326.0	325.0	324.0	325.0	332.0	339.0	357.0	378.0	387.0	414.0	472.0
20°	329.0	327.0	325.0	325.0	326.0	335.0	353.0	373.0	384.0	410.0	480.0
22.5°	338.0	337.0	333.0	328.0	326.0	333.0	350.0	373.0	382.0	411.0	485.0
25°	354.0	352.0	348.0	341.0	334.0	335.0	351.0	372.0	381.0	411.0	492.0
27.5°	373.0	370.0	367.0	360.0	346.0	340.0	350.0	375.0	380.0	408.0	497.0
30°	402.0	401.0	395.0	386.0	367.0	349.0	356.0	373.0	380.0	405.0	500.0
32.5°	437.0	436.0	432.0	422.0	395.0	367.0	363.0	375.0	380.0	404.0	503.0
35°	472.0	471.0	474.0	466.0	436.0	392.0	376.0	381.0	383.0	406.0	503.0
37.5°	504.0	503.0	506.0	515.0	485.0	428.0	396.0	390.0	390.0	409.0	508.0
40°	538.0	539.0	552.0	561.0	547.0	472.0	422.0	407.0	405.0	424.0	517.0
42.5°	577.0	573.0	596.0	617.0	603.0	531.0	463.0	433.0	427.0	444.0	537.0
45°	604.0	614.0	634.9	675.9	674.9	601.0	522.0	477.0	466.0	477.0	574.0
47.5°	659.9	658.9	686.9	739.9	752.9	685.9	590.0	537.0	522.0	528.0	622.9
50°	729.9	726.9	759.9	817.9	857.9	780.9	681.9	619.9	603.0	603.0	697.9
52.5°	772.9	775.9	801.9	879.9	978.9	921.9	783.9	719.9	702.9	703.9	795.9
55°	747.9	750.9	780.9	872.9	1040.9	1146.9	915.9	851.9	821.9	809.9	930.9
57.5°	642.9	636.9	660.9	768.9	1012.9	1318.9	1184.9	1004.9	970.9	950.9	1084.9
60°	478.0	474.0	476.0	544.0	838.9	1369.9	1615.9	1216.9	1155.9	1110.9	1272.9
62.5°	363.0	363.0	359.0	362.0	500.0	1274.9	1960.8	1617.9	1418.9	1291.9	1464.9
65°	297.0	293.0	299.0	296.0	301.0	838.9	2122.8	2287.8	1958.8	1538.9	1736.9
67.5°	242.0	238.0	242.0	275.0	263.0	369.0	1895.8	2948.8	2721.8	1848.9	2028.8
70°	206.0	201.0	201.0	245.0	261.0	264.0	1170.9	3159.7	3210.7	2286.8	2314.8
72.5°	154.0	155.0	157.0	211.0	261.0	254.0	489.0	2773.8	2968.8	2427.8	2217.8
75°	102.0	103.0	109.0	155.0	270.0	258.0	269.0	1865.8	2118.8	1860.8	1540.9
77.5°	68.0	68.0	74.0	101.0	236.0	266.0	251.0	980.9	1162.9	878.9	504.0
80°	46.0	46.0	48.0	68.0	164.0	281.0	248.0	381.0	359.0	186.0	102.0
82.5°	27.0	27.0	32.0	46.0	97.0	276.0	246.0	200.0	149.0	69.0	54.0
85°	13.0	13.0	19.0	28.0	54.0	207.0	234.0	169.0	112.0	46.0	32.0
87.5°	4.0	4.0	8.0	14.0	25.0	107.0	159.0	116.0	56.0	18.0	11.0
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°	490.0	490.0	490.0	490.0	490.0	490.0	490.0	490.0	490.0	490.0	490.0
2.5°	487.0	490.0	493.0	500.0	500.0	500.0	496.0	497.0	495.0	497.0	498.0
5°	484.0	490.0	499.0	494.0	491.0	483.0	472.0	462.0	457.0	457.0	452.0
7.5°	481.0	489.0	493.0	484.0	467.0	446.0	430.0	412.0	402.0	398.0	398.0
10°	480.0	493.0	491.0	466.0	437.0	405.0	373.0	345.0	322.0	314.0	311.0
12.5°	484.0	498.0	481.0	441.0	401.0	353.0	307.0	262.0	232.0	219.0	218.0
15°	494.0	503.0	470.0	418.0	357.0	294.0	236.0	182.0	159.0	151.0	150.0
17.5°	500.0	505.0	457.0	388.0	309.0	226.0	159.0	131.0	127.0	127.0	128.0
20°	506.0	503.0	436.0	354.0	253.0	154.0	109.0	102.0	105.0	111.0	112.0
22.5°	512.0	491.0	413.0	308.0	179.0	99.0	86.0	85.0	91.0	100.0	101.0
25°	509.0	478.0	382.0	256.0	111.0	79.0	74.0	76.0	80.0	86.0	87.0
27.5°	503.0	466.0	357.0	199.0	78.0	70.0	69.0	70.0	72.0	75.0	77.0
30°	497.0	455.0	327.0	134.0	70.0	67.0	66.0	66.0	66.0	68.0	69.0
32.5°	490.0	439.0	295.0	88.0	66.0	64.0	63.0	62.0	62.0	62.0	62.0
35°	483.0	427.0	263.0	71.0	63.0	61.0	60.0	58.0	58.0	57.0	58.0
37.5°	477.0	414.0	221.0	66.0	60.0	59.0	57.0	55.0	54.0	55.0	54.0
40°	479.0	410.0	178.0	63.0	59.0	57.0	54.0	53.0	52.0	53.0	53.0
42.5°	487.0	404.0	137.0	61.0	57.0	54.0	52.0	50.0	50.0	51.0	51.0
45°	505.0	406.0	104.0	59.0	55.0	53.0	50.0	49.0	49.0	49.0	49.0
47.5°	541.0	422.0	87.0	58.0	54.0	51.0	49.0	47.0	47.0	47.0	46.0
50°	595.0	448.0	81.0	58.0	53.0	51.0	48.0	45.0	44.0	44.0	44.0
52.5°	670.9	496.0	81.0	57.0	52.0	49.0	46.0	43.0	42.0	41.0	41.0
55°	782.9	559.0	83.0	57.0	50.0	48.0	44.0	41.0	39.0	39.0	39.0
57.5°	937.9	671.9	82.0	56.0	49.0	45.0	41.0	39.0	37.0	36.0	36.0
60°	1125.9	819.9	81.0	55.0	48.0	42.0	38.0	36.0	34.0	34.0	34.0
62.5°	1344.9	1034.9	86.0	57.0	47.0	39.0	36.0	34.0	32.0	32.0	32.0
65°	1632.9	1298.9	129.0	61.0	46.0	37.0	33.0	31.0	30.0	30.0	30.0
67.5°	1957.8	1640.9	152.0	75.0	47.0	34.0	30.0	29.0	28.0	27.0	28.0
70°	2154.8	1680.9	152.0	99.0	54.0	31.0	27.0	26.0	26.0	25.0	25.0
72.5°	1919.8	1387.9	144.0	104.0	59.0	29.0	25.0	24.0	23.0	22.0	22.0
75°	1247.9	783.9	124.0	85.0	50.0	26.0	22.0	21.0	20.0	20.0	20.0
77.5°	377.0	231.0	82.0	60.0	33.0	22.0	19.0	18.0	17.0	17.0	16.0
80°	94.0	76.0	39.0	33.0	21.0	17.0	15.0	14.0	13.0	13.0	13.0
82.5°	51.0	47.0	24.0	19.0	15.0	12.0	12.0	11.0	10.0	9.0	9.0
85°	31.0	28.0	17.0	12.0	9.0	7.0	7.0	7.0	6.0	6.0	5.0
87.5°	11.0	12.0	8.0	4.0	3.0	3.0	2.0	2.0	2.0	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)