

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: P#

Luminaire Tested: **ARCH3-60-AMB-U-T4W-HSS**

Issue Date: 12/16/2024

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2406-129-11)
Test Lab: INNOVATION CENTER
Issue Date: 12/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: ARCH3-60-AMB-U-T4W-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) NARROW BAND AMBER, 600mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE IV
WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

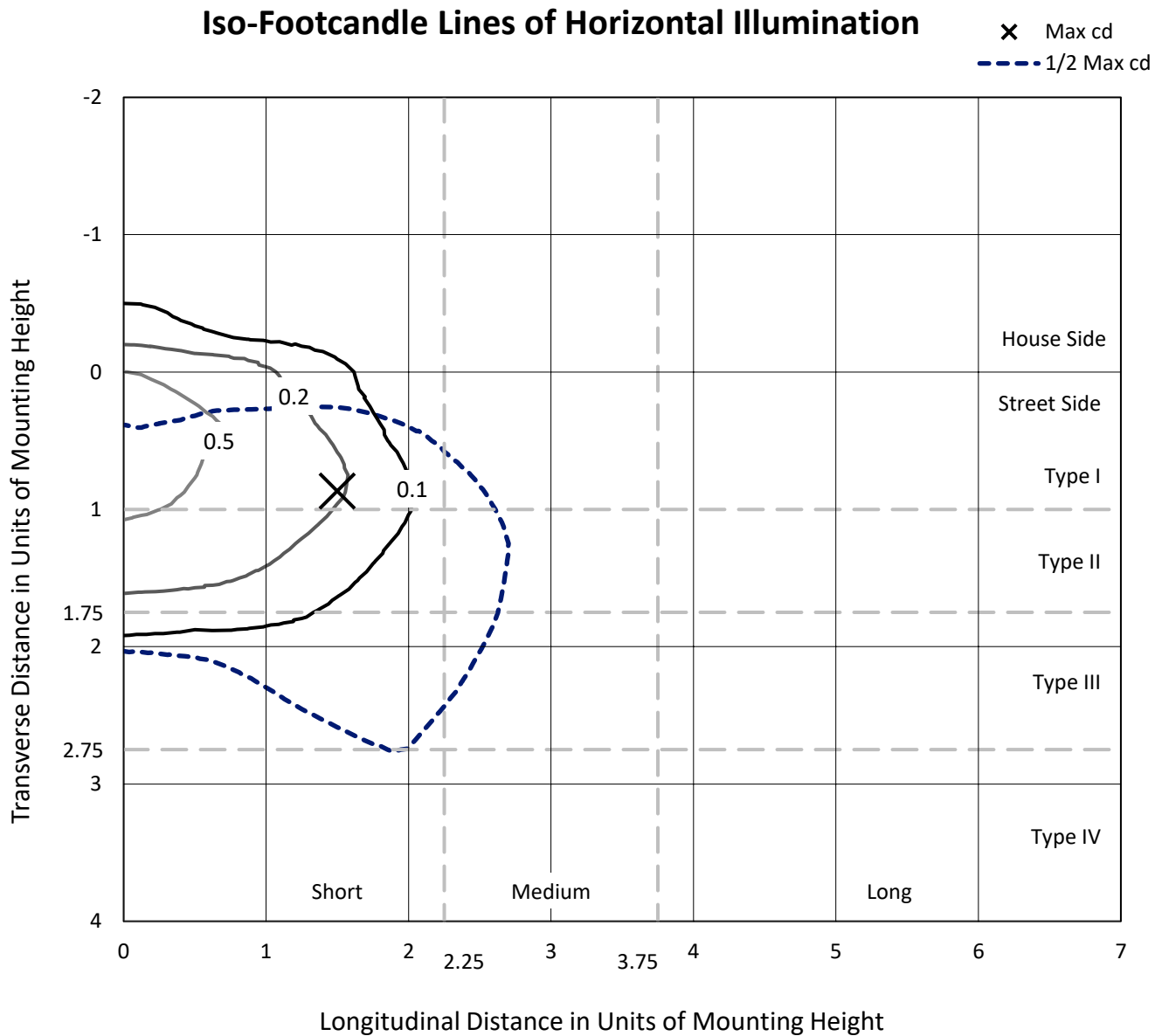
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1796 lumens
Efficiency: N/A
Efficacy: 30.6 lumens/watt
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 58.7
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

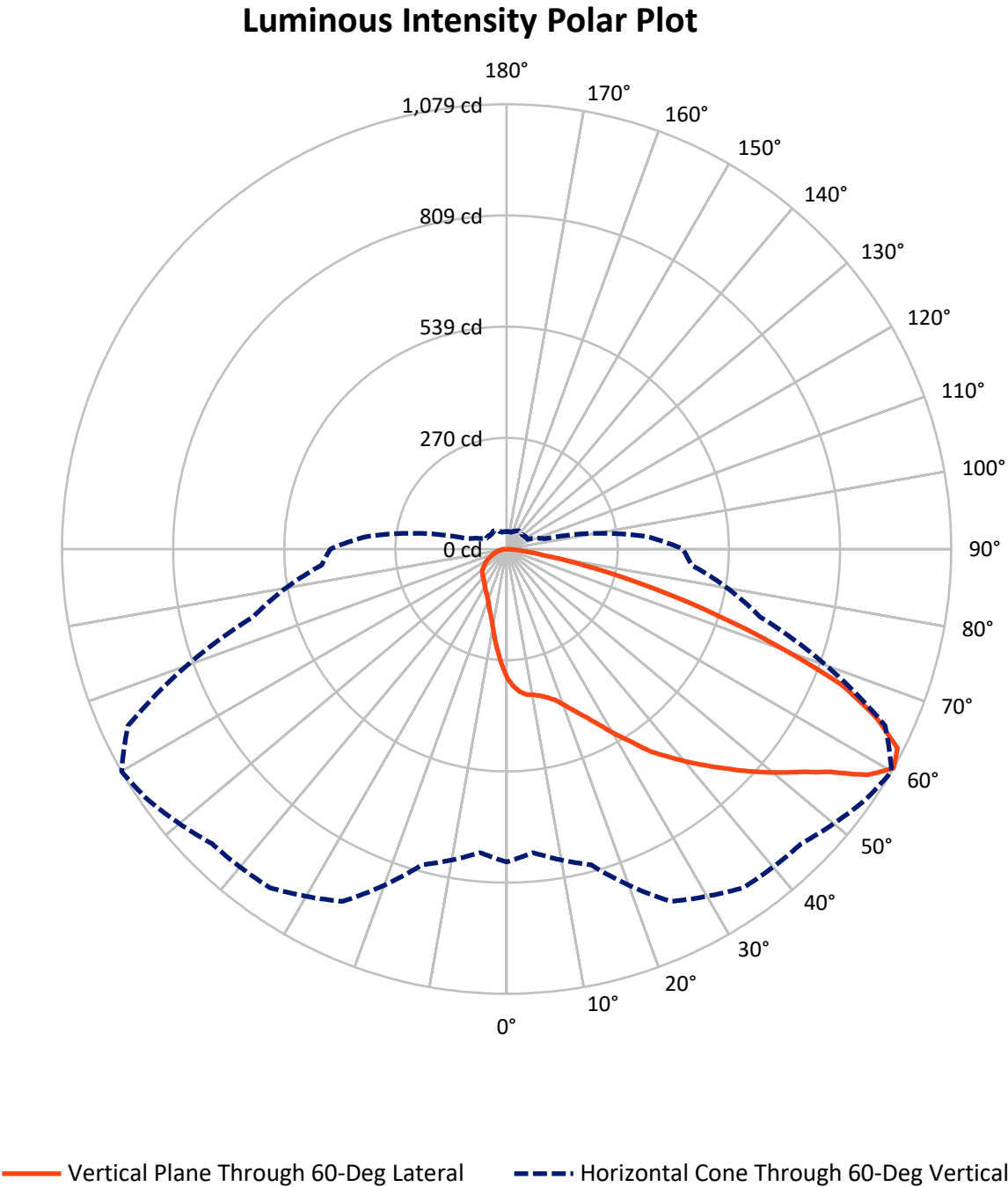


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Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
Type III - Short - N/A

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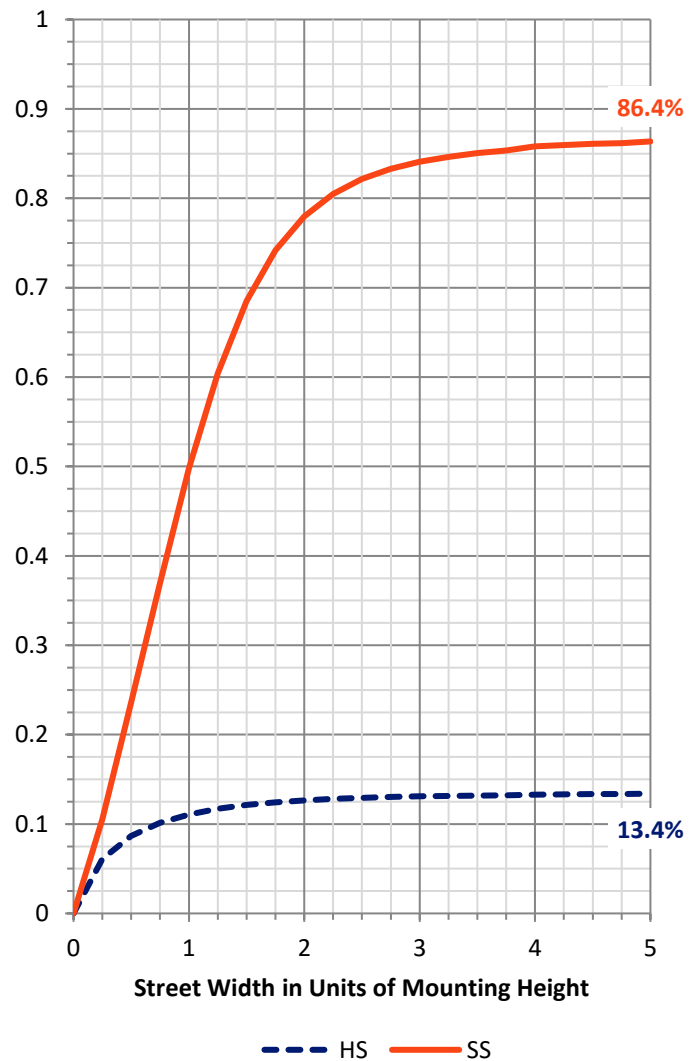
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	243.5	0.0	243.5
	% Fixture	13.6	0.0	13.6
Street Side	Lumens	1552.5	0.0	1552.5
	% Fixture	86.4	0.0	86.4
Total	Lumens	1796.0	0.0	1796.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.5	1.5
10°-20°	80.4	4.5
20°-30°	142.5	7.9
30°-40°	220.9	12.3
40°-50°	333.2	18.6
50°-60°	428.4	23.9
60°-70°	384.0	21.4
70°-80°	162.0	9.0
80°-90°	17.1	1.0
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°	1796.0	100.0
0°-180°	1796.0	100.0

Coefficient of Utilization



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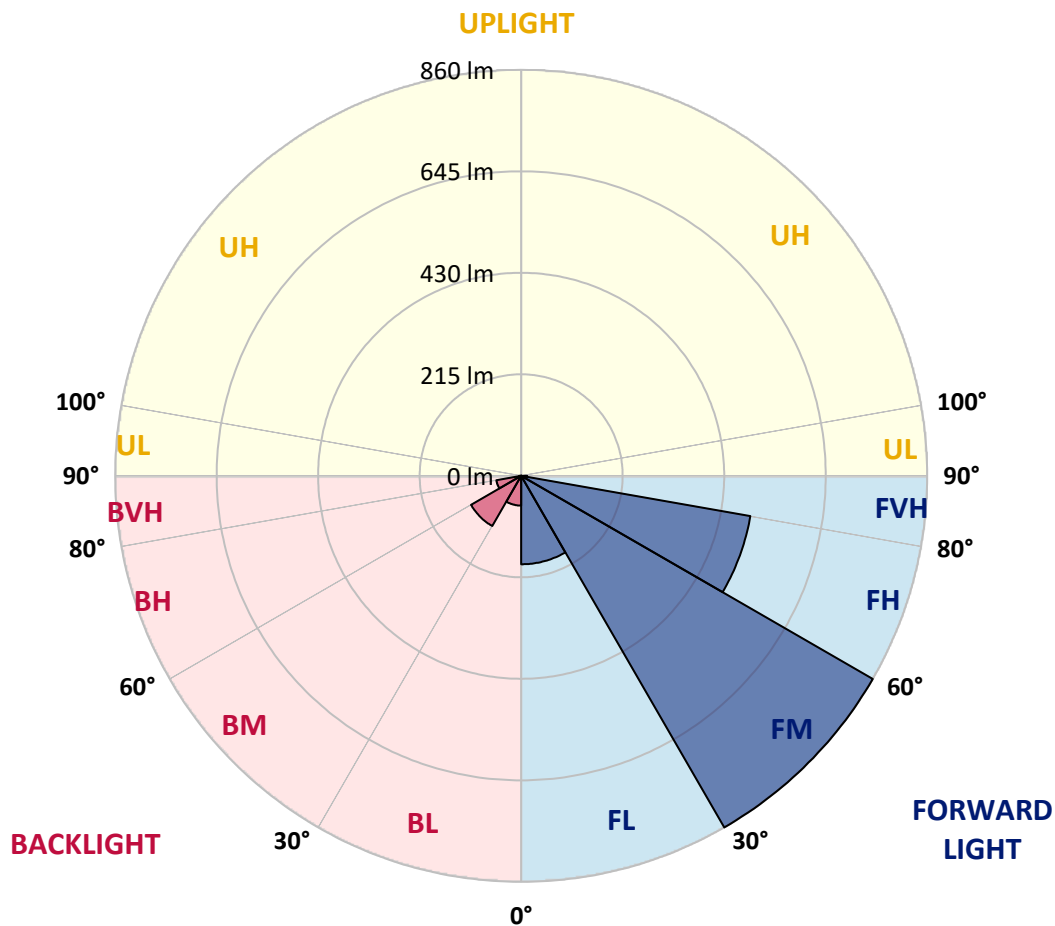
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	187.3	10.4			
FM	(30°-60°)	859.8	47.9			
FH	(60°-80°)	492.7	27.4			G0/660
FVH	(80°-90°)	12.7	0.7			G1/100
BL	(0°-30°)	63.1	3.5	B0/110		
BM	(30°-60°)	122.7	6.8	B0/220		
BH	(60°-80°)	53.3	3.0	B0/110		G0/110
BVH	(80°-90°)	4.4	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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	314.2	314.2	314.2	314.2	314.2	314.2	314.2	314.2	314.2	314.2	314.2
2.5°	351.0	351.0	348.2	348.2	345.3	339.7	336.8	334.0	331.2	325.5	317.0
5°	368.0	365.1	365.1	362.3	362.3	356.7	351.0	348.2	342.5	334.0	319.9
7.5°	379.3	376.5	373.6	373.6	370.8	362.3	359.5	356.7	351.0	339.7	322.7
10°	399.1	399.1	393.5	387.8	382.1	370.8	362.3	359.5	353.8	342.5	319.9
12.5°	433.1	433.1	424.6	413.3	401.9	382.1	370.8	365.1	356.7	345.3	322.7
15°	472.7	472.7	461.4	450.1	433.1	404.8	382.1	373.6	365.1	351.0	325.5
17.5°	509.5	509.5	501.0	484.0	464.2	433.1	401.9	385.0	373.6	356.7	331.2
20°	535.0	535.0	526.5	515.2	495.4	461.4	424.6	404.8	385.0	362.3	336.8
22.5°	543.5	543.5	540.6	535.0	523.7	492.5	450.1	427.4	401.9	370.8	342.5
25°	549.1	552.0	549.1	546.3	543.5	520.8	478.4	452.9	421.8	382.1	351.0
27.5°	563.3	563.3	557.6	557.6	560.5	549.1	512.3	484.0	447.2	393.5	359.5
30°	580.3	577.4	574.6	571.8	577.4	574.6	549.1	520.8	478.4	407.6	368.0
32.5°	605.7	608.6	600.1	588.8	597.3	602.9	588.8	557.6	515.2	427.4	379.3
35°	659.5	662.4	639.7	619.9	625.6	631.2	628.4	602.9	552.0	447.2	382.1
37.5°	758.6	761.4	727.5	676.5	665.2	656.7	665.2	639.7	583.1	458.6	387.8
40°	843.5	843.5	818.0	752.9	713.3	685.0	699.2	679.3	625.6	478.4	396.3
42.5°	908.6	903.0	883.1	812.4	775.6	730.3	733.1	719.0	668.0	498.2	401.9
45°	973.7	951.1	917.1	866.2	835.0	786.9	772.8	761.4	713.3	520.8	413.3
47.5°	996.4	962.4	942.6	917.1	883.1	849.2	815.2	806.7	761.4	549.1	418.9
50°	993.5	968.1	968.1	936.9	917.1	894.5	860.5	852.0	806.7	571.8	427.4
52.5°	968.1	968.1	979.4	951.1	945.4	931.3	914.3	897.3	852.0	597.3	438.7
55°	959.6	956.7	987.9	968.1	979.4	968.1	979.4	953.9	908.6	619.9	450.1
57.5°	888.8	883.1	931.3	987.9	1007.7	996.4	1036.0	1033.2	970.9	636.9	458.6
60°	758.6	738.8	792.6	942.6	1002.0	1010.5	1061.5	1078.5	1013.4	636.9	450.1
62.5°	631.2	622.7	662.4	832.2	956.7	990.7	1038.8	1064.3	1027.5	628.4	427.4
65°	452.9	478.4	546.3	707.7	886.0	936.9	962.4	985.1	987.9	602.9	399.1
67.5°	308.5	328.4	387.8	602.9	812.4	863.3	863.3	874.7	866.2	518.0	328.4
70°	209.5	223.6	257.6	498.2	713.3	733.1	721.8	685.0	651.0	416.1	249.1
72.5°	147.2	155.7	172.7	379.3	600.1	583.1	543.5	503.8	461.4	322.7	181.2
75°	101.9	107.6	118.9	257.6	464.2	401.9	334.0	336.8	322.7	251.9	135.9
77.5°	56.6	67.9	73.6	152.9	288.7	263.2	198.1	198.1	212.3	175.5	99.1
80°	17.0	19.8	28.3	73.6	113.2	150.0	113.2	90.6	84.9	101.9	67.9
82.5°	8.5	8.5	14.2	36.8	42.5	56.6	53.8	42.5	31.1	51.0	39.6
85°	2.8	5.7	5.7	11.3	11.3	14.2	19.8	14.2	8.5	19.8	19.8
87.5°	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	314.2	314.2	314.2	314.2	314.2	314.2	314.2	314.2	314.2	314.2	314.2
2.5°	314.2	308.5	300.0	288.7	280.2	271.7	263.2	263.2	254.8	251.9	251.9
5°	314.2	305.7	283.1	263.2	243.4	226.4	212.3	206.6	198.1	195.3	192.5
7.5°	311.4	297.2	268.9	237.8	209.5	189.7	175.5	167.0	161.3	158.5	155.7
10°	308.5	291.6	251.9	212.3	181.2	161.3	150.0	141.5	135.9	133.0	133.0
12.5°	305.7	285.9	234.9	189.7	158.5	141.5	130.2	127.4	121.7	118.9	118.9
15°	308.5	283.1	220.8	172.7	144.4	127.4	118.9	116.1	113.2	110.4	110.4
17.5°	308.5	280.2	209.5	158.5	133.0	118.9	110.4	107.6	104.7	104.7	104.7
20°	314.2	280.2	198.1	144.4	121.7	110.4	104.7	101.9	101.9	99.1	99.1
22.5°	317.0	280.2	189.7	135.9	113.2	101.9	99.1	96.2	96.2	96.2	96.2
25°	325.5	283.1	181.2	127.4	107.6	99.1	93.4	93.4	90.6	90.6	90.6
27.5°	331.2	283.1	172.7	121.7	101.9	93.4	90.6	87.7	87.7	84.9	84.9
30°	339.7	288.7	167.0	113.2	99.1	90.6	87.7	84.9	82.1	82.1	82.1
32.5°	348.2	291.6	161.3	107.6	93.4	87.7	82.1	79.3	79.3	79.3	79.3
35°	353.8	291.6	152.9	104.7	87.7	84.9	79.3	76.4	76.4	76.4	76.4
37.5°	359.5	297.2	150.0	99.1	84.9	79.3	76.4	73.6	73.6	70.8	73.6
40°	368.0	305.7	147.2	96.2	82.1	76.4	73.6	70.8	70.8	70.8	70.8
42.5°	376.5	311.4	147.2	93.4	79.3	73.6	70.8	67.9	67.9	67.9	67.9
45°	385.0	317.0	144.4	90.6	76.4	70.8	67.9	65.1	65.1	65.1	65.1
47.5°	393.5	322.7	141.5	87.7	73.6	67.9	65.1	62.3	62.3	62.3	62.3
50°	401.9	328.4	133.0	82.1	70.8	65.1	62.3	62.3	59.4	59.4	59.4
52.5°	410.4	336.8	127.4	76.4	65.1	62.3	59.4	59.4	56.6	56.6	56.6
55°	424.6	342.5	116.1	70.8	62.3	59.4	56.6	56.6	53.8	53.8	53.8
57.5°	430.3	345.3	107.6	65.1	56.6	56.6	56.6	53.8	48.1	45.3	45.3
60°	427.4	342.5	96.2	56.6	53.8	51.0	53.8	48.1	42.5	42.5	42.5
62.5°	410.4	334.0	84.9	51.0	48.1	48.1	48.1	45.3	39.6	36.8	36.8
65°	376.5	294.4	73.6	42.5	42.5	45.3	45.3	42.5	36.8	34.0	34.0
67.5°	300.0	212.3	62.3	36.8	39.6	42.5	42.5	36.8	34.0	31.1	31.1
70°	226.4	152.9	51.0	31.1	34.0	36.8	36.8	34.0	28.3	28.3	28.3
72.5°	164.2	107.6	42.5	28.3	31.1	31.1	31.1	28.3	25.5	22.6	22.6
75°	116.1	79.3	34.0	25.5	28.3	25.5	25.5	22.6	22.6	19.8	19.8
77.5°	79.3	51.0	28.3	19.8	22.6	19.8	19.8	19.8	17.0	17.0	17.0
80°	48.1	28.3	17.0	14.2	17.0	17.0	17.0	14.2	14.2	14.2	14.2
82.5°	31.1	17.0	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
85°	14.2	8.5	5.7	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
87.5°	2.8	2.8	2.8	2.8	5.7	5.7	2.8	2.8	2.8	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)