

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-T2U-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 (G2-2406-129-2)
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-T2U-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) NARROW BAND AMBER, 600mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE II U OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

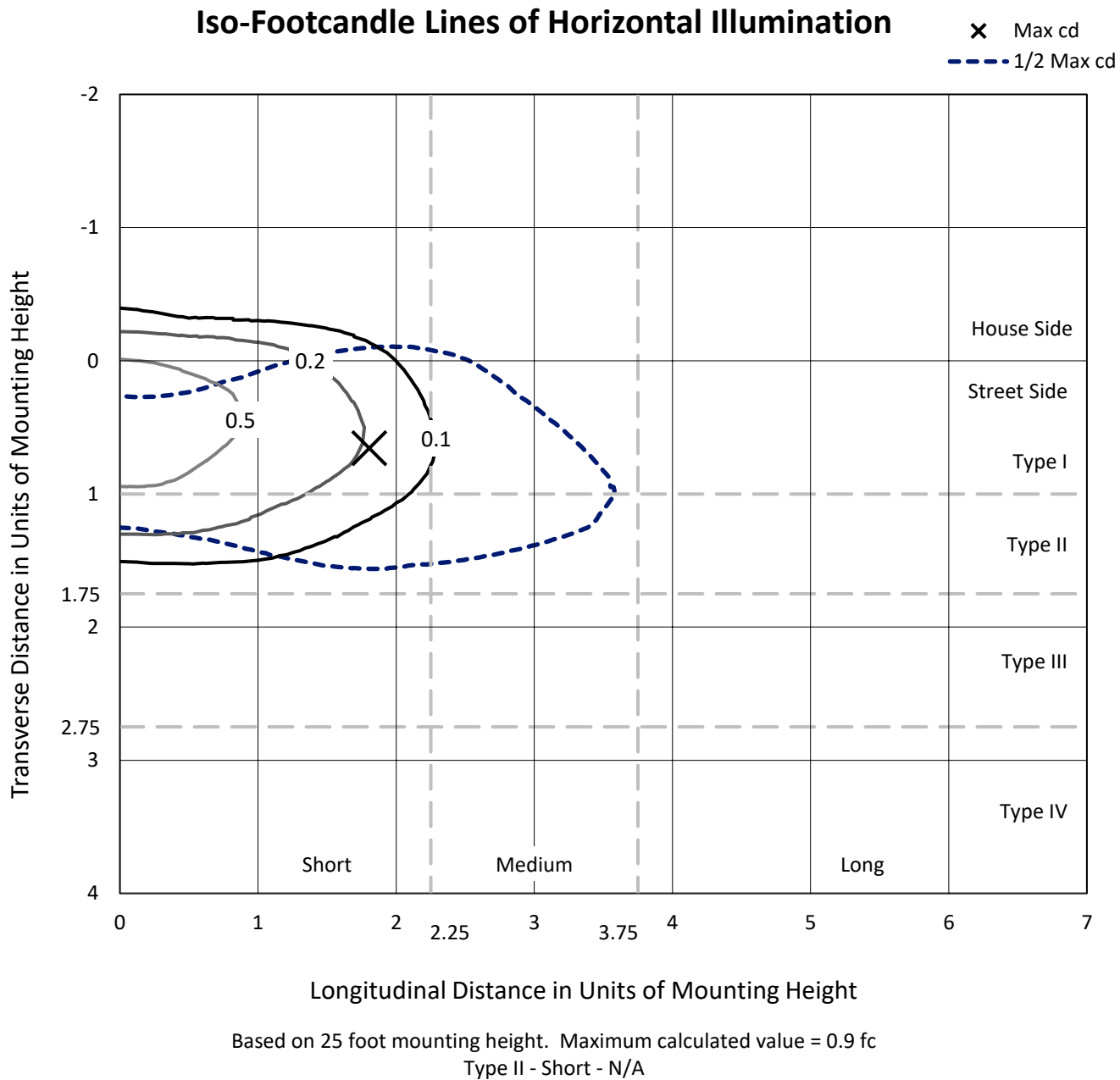
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1817 lumens
Efficiency: N/A
Efficacy: 31.0 lumens/watt
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

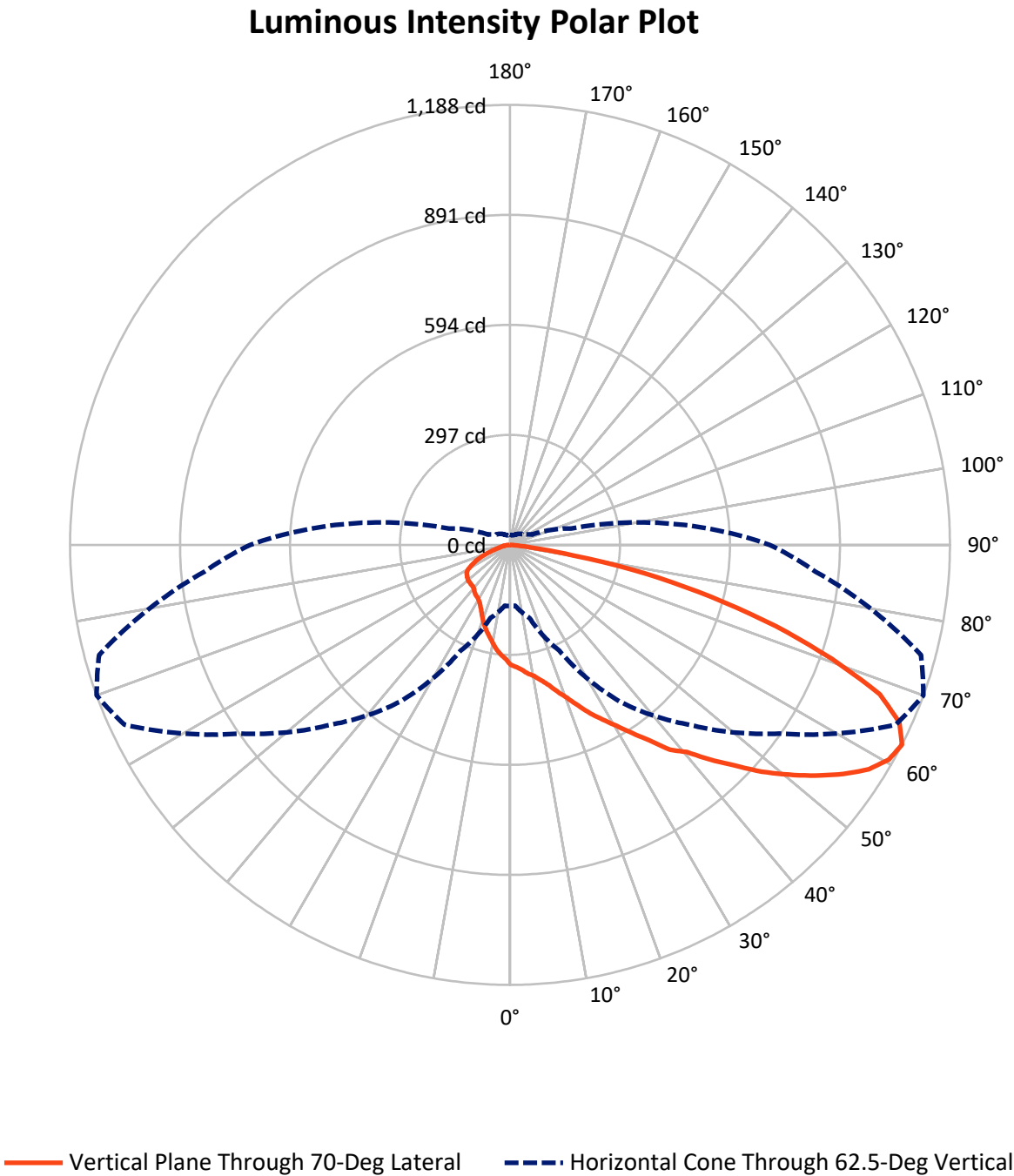
Input Watts (W): 58.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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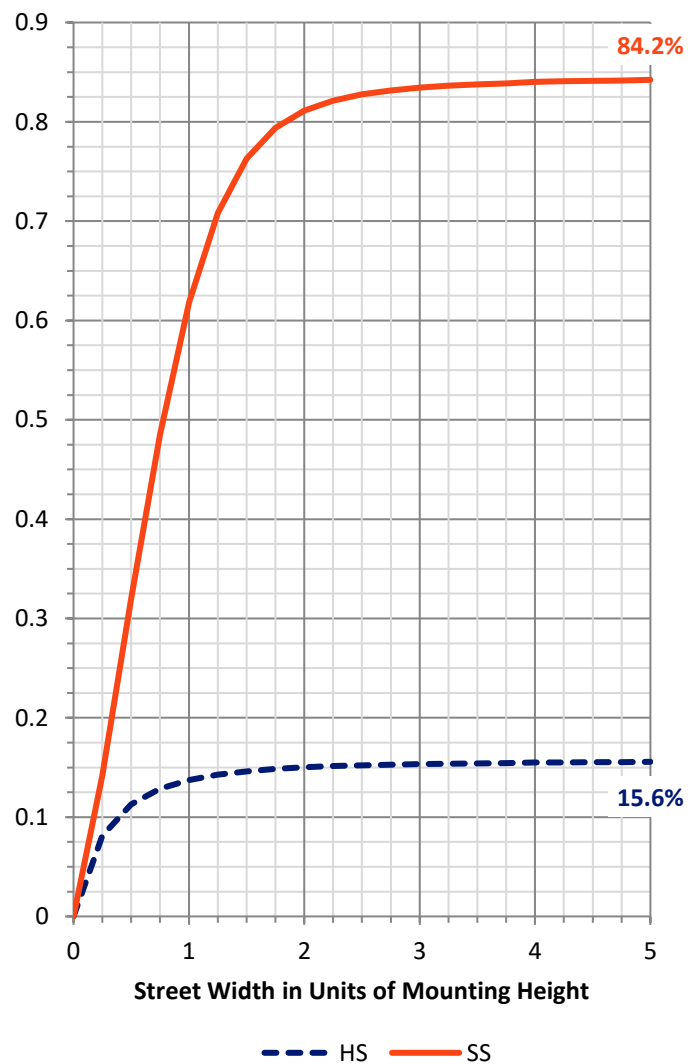
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	285.8	0.0	285.8
	% Fixture	15.7	0.0	15.7
Street Side	Lumens	1531.1	0.0	1531.1
	% Fixture	84.3	0.0	84.3
Total	Lumens	1817.0	0.0	1817.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.0	1.6
10°-20°	94.5	5.2
20°-30°	167.5	9.2
30°-40°	257.0	14.1
40°-50°	359.3	19.8
50°-60°	400.0	22.0
60°-70°	339.2	18.7
70°-80°	152.1	8.4
80°-90°	17.4	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°	1817.0	100.0
0°-180°	1817.0	100.0

Coefficient of Utilization



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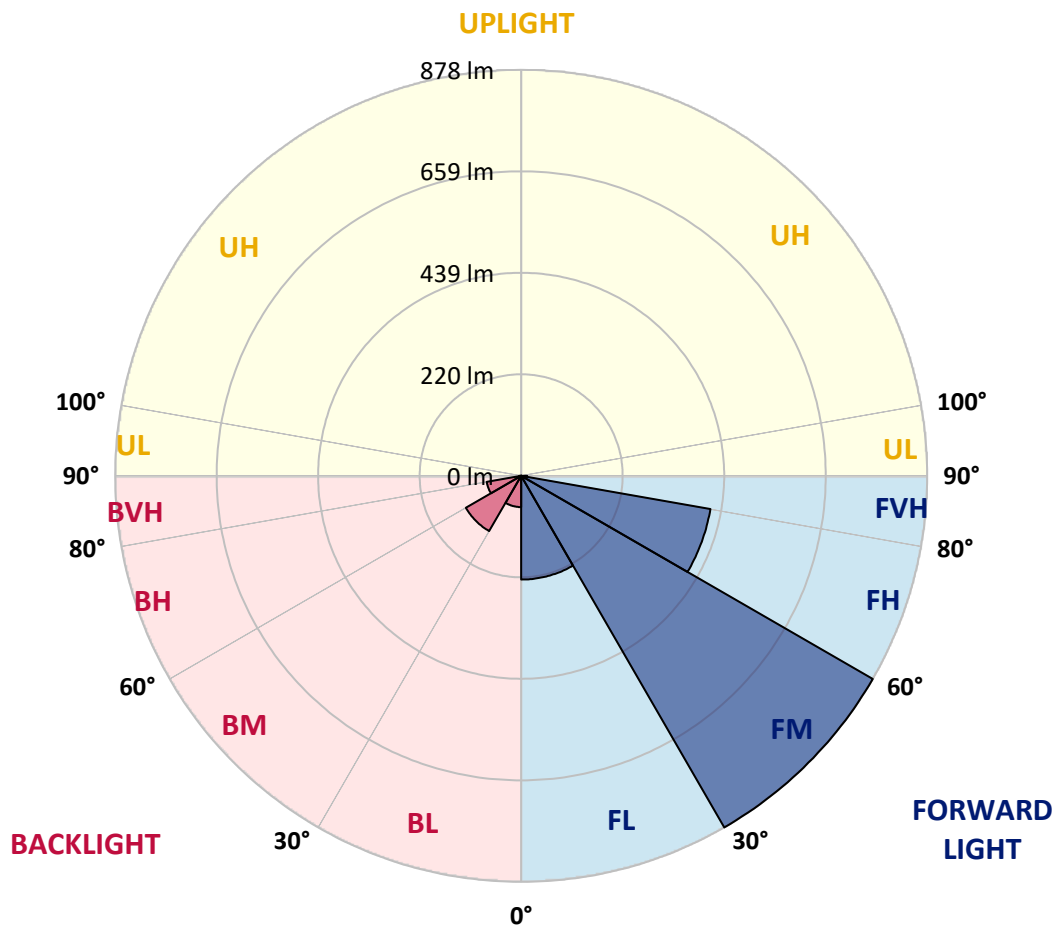
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	224.4	12.3			
FM	(30°-60°)	878.1	48.3			
FH	(60°-80°)	415.7	22.9			G0/660
FVH	(80°-90°)	13.0	0.7			G1/100
BL	(0°-30°)	67.6	3.7	B0/110		
BM	(30°-60°)	138.1	7.6	B0/220		
BH	(60°-80°)	75.6	4.2	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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	324.1	324.1	324.1	324.1	324.1	324.1	324.1	324.1	324.1	324.1	324.1
2.5°	351.1	348.1	348.1	345.1	342.1	342.1	336.1	333.1	330.1	327.1	324.1
5°	378.1	378.1	372.1	369.1	363.1	360.1	351.1	345.1	339.1	336.1	327.1
7.5°	429.1	423.1	417.1	408.1	393.1	381.1	369.1	357.1	351.1	342.1	330.1
10°	486.1	483.1	474.1	462.1	435.1	417.1	390.1	369.1	360.1	351.1	333.1
12.5°	540.1	540.1	531.1	513.1	486.1	459.1	423.1	387.1	375.1	360.1	339.1
15°	603.1	600.1	591.1	567.1	534.1	501.1	459.1	411.1	393.1	375.1	348.1
17.5°	645.1	645.1	636.1	615.1	579.1	543.1	495.1	441.1	417.1	387.1	357.1
20°	666.1	666.1	660.1	645.1	618.1	585.1	531.1	471.1	441.1	405.1	366.1
22.5°	675.1	675.1	675.1	672.1	648.1	621.1	567.1	504.1	471.1	426.1	375.1
25°	663.1	663.1	669.1	675.1	672.1	654.1	606.1	537.1	504.1	453.1	387.1
27.5°	657.1	657.1	663.1	675.1	678.1	678.1	645.1	573.1	534.1	480.1	402.1
30°	681.1	681.1	678.1	681.1	684.1	696.1	672.1	606.1	567.1	513.1	420.1
32.5°	732.1	726.1	720.1	717.1	702.1	720.1	708.1	642.1	606.1	549.1	441.1
35°	768.1	765.1	765.1	765.1	741.1	741.1	741.1	681.1	648.1	591.1	468.1
37.5°	795.1	795.1	795.1	801.1	792.1	783.1	780.1	732.1	702.1	630.1	498.1
40°	810.1	813.1	828.2	834.2	822.2	825.2	819.1	777.1	735.1	669.1	516.1
42.5°	837.2	846.2	870.2	864.2	843.2	849.2	852.2	819.1	792.1	720.1	552.1
45°	795.1	801.1	840.2	861.2	852.2	864.2	891.2	870.2	849.2	783.1	591.1
47.5°	756.1	753.1	783.1	822.2	840.2	876.2	927.2	930.2	915.2	846.2	633.1
50°	654.1	660.1	726.1	777.1	816.1	879.2	954.2	987.2	975.2	909.2	672.1
52.5°	543.1	549.1	618.1	723.1	786.1	870.2	972.2	1041.2	1035.2	963.2	711.1
55°	429.1	441.1	513.1	630.1	741.1	840.2	987.2	1089.2	1092.2	1023.2	756.1
57.5°	324.1	336.1	405.1	528.1	681.1	795.1	984.2	1128.2	1143.2	1074.2	792.1
60°	228.0	237.0	285.1	420.1	606.1	744.1	951.2	1152.2	1176.2	1122.2	819.1
62.5°	165.0	165.0	204.0	315.1	516.1	687.1	888.2	1149.2	1188.2	1149.2	828.2
65°	114.0	114.0	135.0	225.0	423.1	609.1	801.1	1089.2	1155.2	1143.2	825.2
67.5°	81.0	84.0	96.0	153.0	330.1	501.1	696.1	987.2	1077.2	1074.2	762.1
70°	63.0	63.0	72.0	111.0	246.0	384.1	555.1	819.1	921.2	927.2	636.1
72.5°	51.0	51.0	57.0	81.0	183.0	276.1	387.1	633.1	750.1	762.1	504.1
75°	36.0	39.0	42.0	60.0	132.0	174.0	243.0	456.1	561.1	591.1	384.1
77.5°	24.0	27.0	30.0	42.0	75.0	102.0	135.0	282.1	375.1	423.1	267.0
80°	12.0	15.0	18.0	27.0	39.0	51.0	69.0	114.0	174.0	252.0	165.0
82.5°	9.0	9.0	12.0	15.0	21.0	24.0	30.0	39.0	57.0	117.0	93.0
85°	3.0	6.0	6.0	6.0	9.0	9.0	12.0	9.0	12.0	33.0	42.0
87.5°	0.0	0.0	0.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	324.1	324.1	324.1	324.1	324.1	324.1	324.1	324.1	324.1	324.1	324.1
2.5°	321.1	318.1	312.1	306.1	303.1	297.1	291.1	288.1	285.1	285.1	282.1
5°	321.1	315.1	306.1	291.1	279.1	267.0	255.0	249.0	243.0	240.0	237.0
7.5°	321.1	312.1	297.1	276.1	252.0	234.0	216.0	207.0	198.0	195.0	192.0
10°	324.1	312.1	288.1	255.0	225.0	201.0	180.0	168.0	159.0	156.0	153.0
12.5°	327.1	312.1	276.1	237.0	201.0	171.0	147.0	135.0	129.0	126.0	123.0
15°	333.1	312.1	270.0	219.0	177.0	144.0	126.0	114.0	108.0	105.0	105.0
17.5°	339.1	315.1	261.0	201.0	153.0	123.0	108.0	99.0	93.0	93.0	93.0
20°	342.1	315.1	252.0	183.0	132.0	108.0	96.0	87.0	84.0	81.0	81.0
22.5°	348.1	318.1	240.0	165.0	117.0	96.0	84.0	78.0	75.0	75.0	75.0
25°	357.1	321.1	231.0	147.0	105.0	87.0	78.0	72.0	69.0	69.0	69.0
27.5°	369.1	327.1	222.0	135.0	93.0	78.0	72.0	69.0	66.0	66.0	66.0
30°	381.1	336.1	219.0	123.0	87.0	72.0	66.0	63.0	63.0	63.0	63.0
32.5°	396.1	345.1	216.0	117.0	81.0	69.0	63.0	60.0	60.0	60.0	60.0
35°	417.1	360.1	213.0	114.0	78.0	66.0	60.0	57.0	57.0	57.0	57.0
37.5°	441.1	375.1	210.0	108.0	78.0	63.0	57.0	57.0	57.0	57.0	54.0
40°	450.1	378.1	201.0	105.0	75.0	63.0	54.0	54.0	54.0	54.0	54.0
42.5°	474.1	396.1	198.0	102.0	75.0	60.0	54.0	51.0	51.0	51.0	51.0
45°	507.1	420.1	198.0	102.0	75.0	60.0	51.0	48.0	48.0	48.0	48.0
47.5°	543.1	447.1	195.0	102.0	72.0	57.0	51.0	48.0	45.0	45.0	45.0
50°	573.1	465.1	195.0	102.0	72.0	57.0	48.0	45.0	45.0	42.0	42.0
52.5°	603.1	483.1	192.0	99.0	69.0	54.0	45.0	42.0	42.0	39.0	39.0
55°	636.1	501.1	189.0	96.0	66.0	51.0	42.0	39.0	39.0	36.0	36.0
57.5°	666.1	519.1	186.0	93.0	60.0	48.0	42.0	36.0	33.0	33.0	33.0
60°	690.1	528.1	180.0	84.0	57.0	45.0	39.0	33.0	30.0	30.0	30.0
62.5°	702.1	528.1	171.0	66.0	48.0	42.0	36.0	30.0	27.0	27.0	27.0
65°	687.1	510.1	156.0	51.0	42.0	36.0	33.0	27.0	27.0	24.0	24.0
67.5°	630.1	453.1	132.0	42.0	39.0	33.0	30.0	27.0	24.0	21.0	21.0
70°	522.1	378.1	99.0	33.0	33.0	30.0	27.0	24.0	21.0	18.0	18.0
72.5°	420.1	300.1	69.0	27.0	27.0	24.0	24.0	21.0	18.0	15.0	15.0
75°	309.1	216.0	45.0	24.0	24.0	21.0	18.0	18.0	15.0	15.0	15.0
77.5°	210.0	117.0	33.0	21.0	18.0	18.0	15.0	12.0	12.0	12.0	12.0
80°	123.0	57.0	24.0	15.0	15.0	12.0	12.0	9.0	9.0	9.0	9.0
82.5°	69.0	27.0	18.0	12.0	9.0	9.0	9.0	9.0	9.0	6.0	6.0
85°	30.0	12.0	9.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
87.5°	6.0	3.0	3.0	3.0	3.0	3.0	3.0	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)