

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: INVUE

Report Number: P553719

Luminaire Tested: **LXS-VA2-730-U-ASC-A**

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553719
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/13/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: LXS-VA2-730-U-ASC-A
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
70 CRI, 3000K LEDS AND TYPE II OPTIC, ARM MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3740 lumens
Efficiency: N/A
Efficacy: 77.9 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

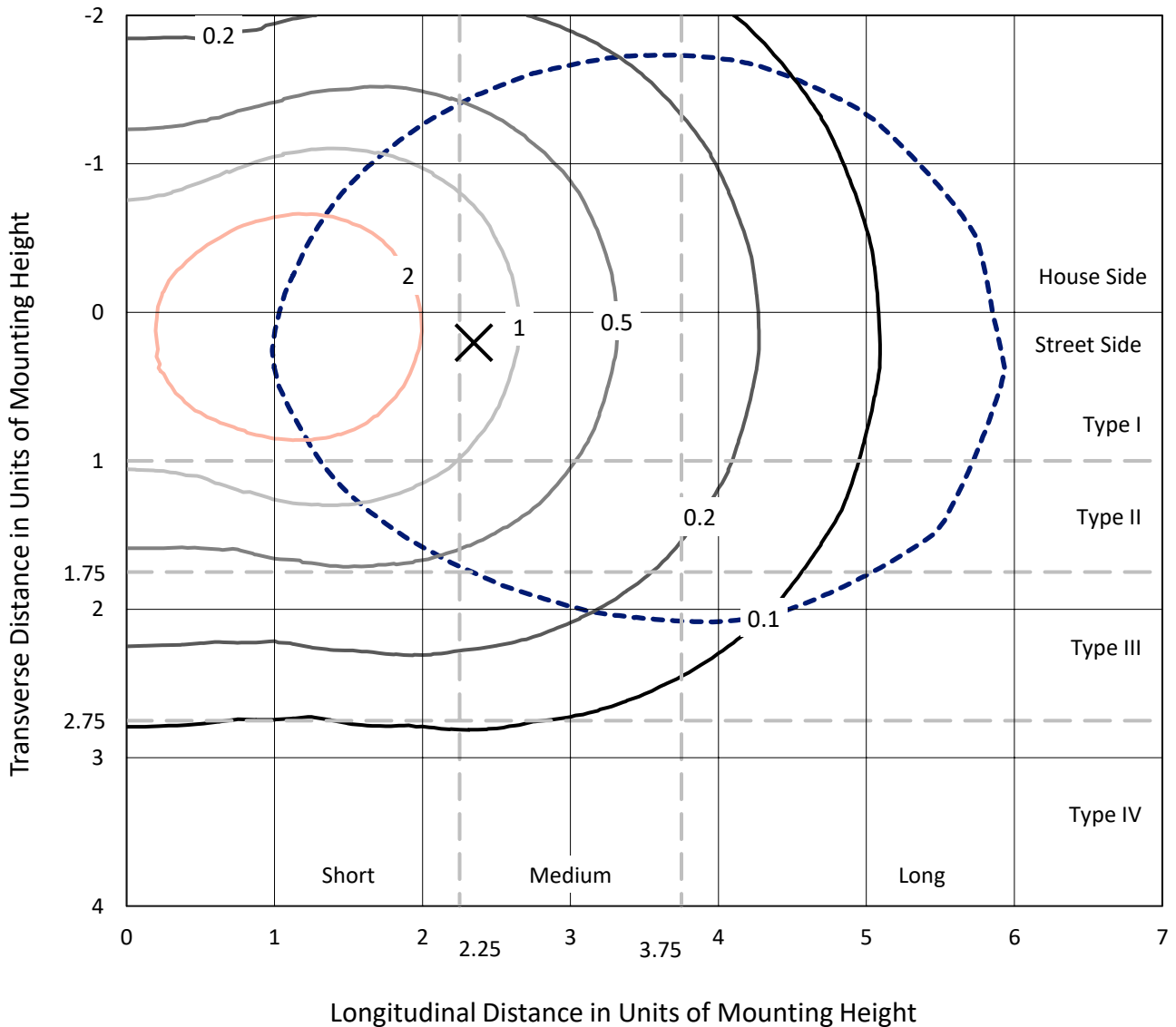
Input Watts (W): 48
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

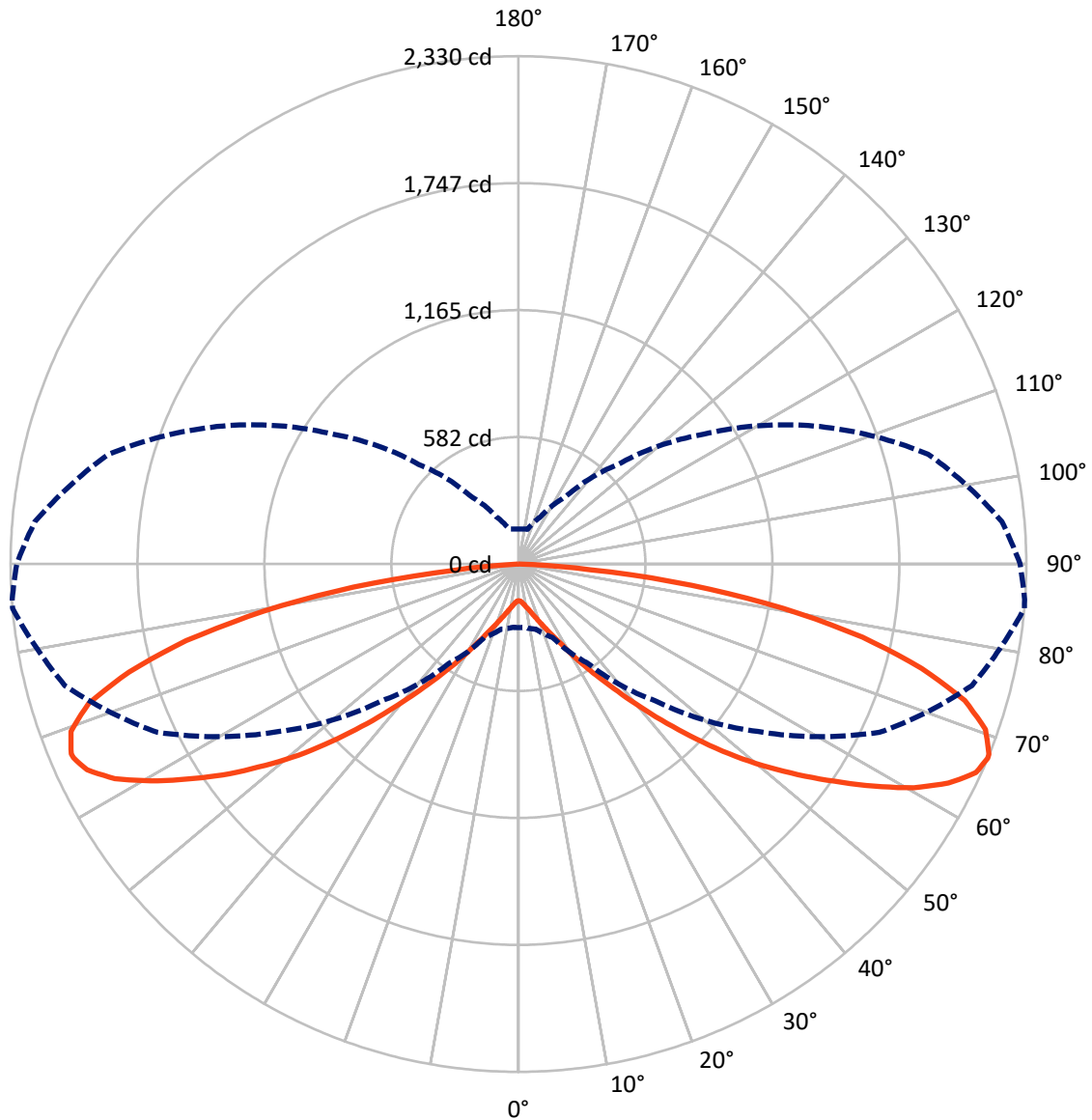
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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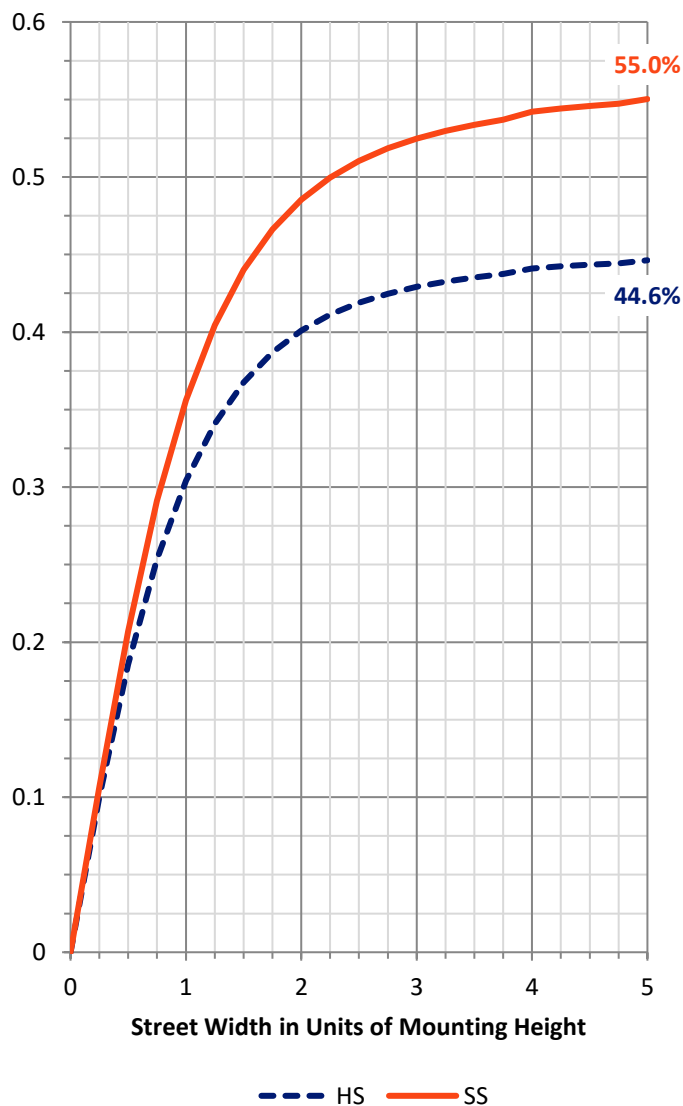
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1673.7	0.0	1673.7
	% Fixture	44.8	0.0	44.8
Street Side	Lumens	2066.4	0.0	2066.4
	% Fixture	55.2	0.0	55.2
Total	Lumens	3740.0	0.0	3740.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.2	0.5
10°-20°	61.1	1.6
20°-30°	133.4	3.6
30°-40°	262.7	7.0
40°-50°	475.0	12.7
50°-60°	758.6	20.3
60°-70°	995.5	26.6
70°-80°	840.6	22.5
80°-90°	195.9	5.2
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°	3740.0	100.0
0°-180°	3740.0	100.0

Coefficient of Utilization



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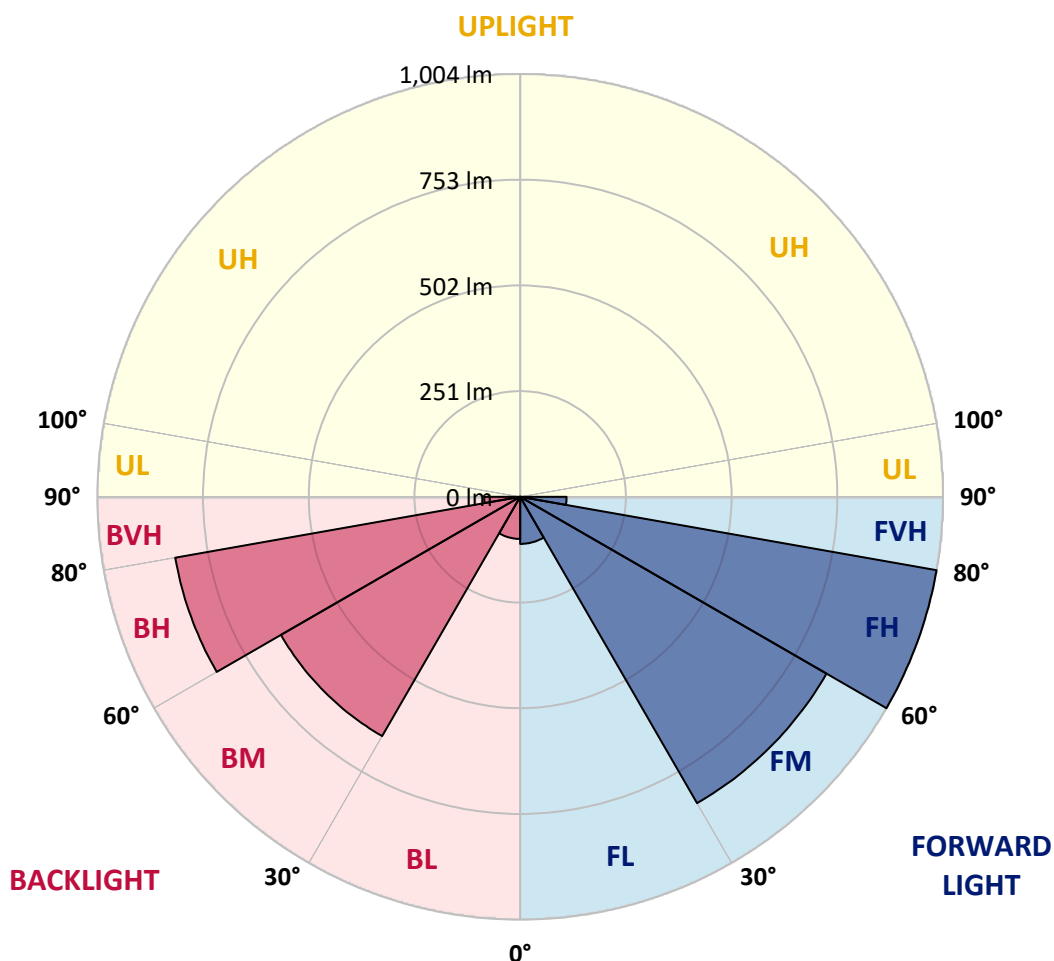
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	111.8	3.0			
FM (30°-60°)	840.1	22.5			
FH (60°-80°)	1004.2	26.9			G1/1800
FVH (80°-90°)	110.3	2.9			G2/225
BL (0°-30°)	100.0	2.7	B0/110		
BM (30°-60°)	656.1	17.5	B1/1000		
BH (60°-80°)	831.9	22.2	B2/1000		G2/1000
BVH (80°-90°)	85.7	2.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	86°
0°	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8
2.5°	170.6	170.6	170.6	170.6	170.6	170.6	170.6	170.6	170.6	170.6	170.6
5°	174.2	174.2	174.2	175.9	175.9	177.7	177.7	177.7	177.7	177.7	177.7
7.5°	175.9	175.9	177.7	179.5	183.0	184.8	186.6	186.6	186.6	188.4	188.4
10°	177.7	177.7	179.5	183.0	188.4	193.7	197.3	199.0	200.8	200.8	200.8
12.5°	183.0	183.0	184.8	188.4	195.5	202.6	209.7	215.0	216.8	216.8	216.8
15°	191.9	191.9	193.7	199.0	206.1	215.0	223.9	232.8	236.4	236.4	236.4
17.5°	204.4	204.4	206.1	211.5	220.4	232.8	243.5	254.1	259.5	259.5	259.5
20°	220.4	220.4	222.1	229.2	238.1	252.4	268.3	280.8	289.7	287.9	287.9
22.5°	229.2	229.2	234.6	245.2	257.7	273.7	298.6	314.6	325.2	321.7	319.9
25°	236.4	236.4	241.7	255.9	279.0	300.3	334.1	355.4	367.9	362.5	360.8
27.5°	245.2	247.0	254.1	268.3	296.8	332.3	369.6	407.0	417.6	412.3	410.5
30°	254.1	254.1	264.8	286.1	318.1	366.1	415.8	476.3	486.9	479.8	472.7
32.5°	268.3	268.3	277.2	302.1	346.5	401.6	476.3	540.2	559.8	556.2	552.7
35°	289.7	289.7	298.6	321.7	375.0	444.3	542.0	614.9	650.4	639.8	638.0
37.5°	296.8	298.6	311.0	343.0	399.9	497.6	609.6	702.0	753.5	741.1	735.7
40°	302.1	303.9	316.3	355.4	426.5	543.8	677.1	803.3	865.5	860.1	849.5
42.5°	305.7	307.4	321.7	362.5	453.2	582.9	748.2	913.4	995.2	998.7	991.6
45°	305.7	307.4	327.0	371.4	472.7	623.8	821.0	1025.4	1137.4	1146.2	1137.4
47.5°	305.7	307.4	327.0	380.3	488.7	666.4	895.7	1126.7	1274.2	1300.9	1288.4
50°	316.3	318.1	335.9	389.2	515.4	716.2	972.1	1231.6	1409.3	1453.7	1443.0
52.5°	316.3	319.9	339.4	398.1	540.2	762.4	1046.7	1341.7	1542.5	1604.7	1587.0
55°	328.8	330.5	346.5	410.5	561.6	806.8	1124.9	1450.1	1691.8	1759.4	1750.5
57.5°	332.3	334.1	351.9	415.8	579.3	856.6	1212.0	1563.9	1846.4	1922.9	1910.4
60°	325.2	327.0	348.3	412.3	591.8	895.7	1288.4	1677.6	1972.6	2084.6	2072.1
62.5°	316.3	318.1	337.7	405.2	590.0	909.9	1338.2	1766.5	2066.8	2214.3	2201.9
65°	305.7	305.7	323.4	391.0	574.0	904.6	1352.4	1821.6	2132.6	2306.7	2299.6
67°	291.4	291.4	309.2	371.4	556.2	886.8	1340.0	1826.9	2153.9	2329.8	2328.0
67.5°	286.1	287.9	303.9	367.9	550.9	879.7	1334.6	1823.3	2155.7	2328.0	2328.0
70°	263.0	264.8	279.0	337.7	517.1	835.3	1277.8	1768.2	2113.0	2272.9	2278.3
72.5°	236.4	236.4	248.8	302.1	467.4	771.3	1192.5	1654.5	1992.2	2141.4	2146.8
75°	204.4	204.4	215.0	261.2	405.2	678.9	1066.3	1482.1	1791.3	1910.4	1928.2
77.5°	168.8	170.6	175.9	213.3	332.3	565.1	895.7	1251.1	1514.1	1613.6	1622.5
80°	128.0	129.7	133.3	158.2	250.6	424.7	684.2	963.2	1164.0	1233.3	1242.2
82.5°	83.5	85.3	87.1	99.5	159.9	275.5	442.5	632.7	767.7	799.7	808.6
85°	35.5	35.5	37.3	42.7	67.5	112.0	183.0	259.5	321.7	330.5	330.5
87.5°	1.8	1.8	0.0	0.0	1.8	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8
2.5°	170.6	170.6	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4
5°	177.7	177.7	177.7	177.7	177.7	175.9	174.2	174.2	172.4	172.4	172.4
7.5°	188.4	188.4	186.6	184.8	181.3	179.5	177.7	177.7	175.9	175.9	175.9
10°	200.8	200.8	199.0	193.7	190.2	188.4	184.8	181.3	179.5	177.7	177.7
12.5°	216.8	216.8	213.3	206.1	202.6	197.3	190.2	184.8	181.3	179.5	179.5
15°	236.4	236.4	229.2	222.1	215.0	204.4	195.5	190.2	184.8	183.0	183.0
17.5°	259.5	257.7	248.8	241.7	229.2	215.0	204.4	197.3	190.2	186.6	184.8
20°	286.1	284.3	271.9	261.2	243.5	227.5	213.3	200.8	190.2	186.6	186.6
22.5°	316.3	314.6	300.3	284.3	259.5	241.7	220.4	204.4	193.7	190.2	190.2
25°	355.4	351.9	330.5	309.2	280.8	255.9	229.2	211.5	199.0	191.9	190.2
27.5°	403.4	398.1	369.6	341.2	305.7	268.3	238.1	215.0	199.0	191.9	190.2
30°	463.8	454.9	417.6	375.0	332.3	286.1	250.6	218.6	202.6	195.5	193.7
32.5°	536.7	524.3	476.3	415.8	360.8	307.4	257.7	225.7	206.1	195.5	195.5
35°	620.2	602.4	542.0	467.4	392.7	328.8	270.1	231.0	206.1	195.5	193.7
37.5°	716.2	693.1	618.4	527.8	431.8	348.3	282.6	234.6	207.9	199.0	197.3
40°	829.9	799.7	703.7	595.3	479.8	373.2	295.0	241.7	213.3	200.8	199.0
42.5°	963.2	925.9	801.5	668.2	531.4	403.4	307.4	248.8	213.3	199.0	199.0
45°	1107.2	1064.5	909.9	746.4	584.7	435.4	321.7	252.4	215.0	202.6	200.8
47.5°	1260.0	1213.8	1030.7	831.7	638.0	463.8	337.7	255.9	218.6	202.6	200.8
50°	1416.4	1366.6	1160.5	925.9	696.6	495.8	348.3	261.2	216.8	200.8	199.0
52.5°	1574.5	1512.3	1306.2	1034.3	764.2	529.6	359.0	264.8	216.8	200.8	199.0
55°	1736.3	1666.9	1451.9	1137.4	831.7	566.9	373.2	264.8	216.8	199.0	197.3
57.5°	1892.6	1810.9	1590.5	1245.8	895.7	597.1	383.9	266.6	213.3	193.7	191.9
60°	2043.7	1960.2	1722.0	1345.3	950.8	618.4	387.4	264.8	207.9	190.2	188.4
62.5°	2177.0	2097.0	1830.4	1425.3	995.2	638.0	387.4	257.7	199.0	183.0	181.3
65°	2269.4	2193.0	1914.0	1480.3	1027.2	648.7	383.9	248.8	184.8	172.4	170.6
67°	2301.4	2226.7	1946.0	1498.1	1037.8	646.9	376.8	238.1	165.3	161.7	159.9
67.5°	2303.2	2228.5	1947.7	1499.9	1037.8	645.1	373.2	236.4	158.2	158.2	158.2
70°	2262.3	2191.2	1921.1	1476.8	1016.5	620.2	350.1	220.4	133.3	140.4	143.9
72.5°	2134.3	2073.9	1818.0	1402.2	957.9	577.6	319.9	193.7	112.0	124.4	128.0
75°	1910.4	1853.5	1622.5	1260.0	858.4	513.6	280.8	158.2	88.9	106.6	108.4
77.5°	1599.4	1563.9	1366.6	1069.8	718.0	426.5	227.5	115.5	69.3	85.3	88.9
80°	1213.8	1188.9	1037.8	817.5	538.5	316.3	154.6	72.9	51.5	64.0	65.8
82.5°	776.6	764.2	664.6	520.7	321.7	181.3	76.4	33.8	28.4	39.1	40.9
85°	305.7	289.7	245.2	183.0	104.9	49.8	16.0	8.9	10.7	7.1	5.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)