

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: P594456

Luminaire Tested: **ISS-PA1A-730-U-T3-HSS**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P594456
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2201-510-11)
Test Lab: INNOVATION CENTER
Issue Date: 3/22/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: ISS-PA1A-730-U-T3-HSS
Description: IMPACT ELITE LED QUARTER SPHERE LUMINAIRE
(1) 70 CRI, 3000K, 350mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2894 lumens
Efficiency: N/A
Efficacy: 100.1 lumens/watt
Luminous Opening: Rectangular (W 0.75' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 28.9
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

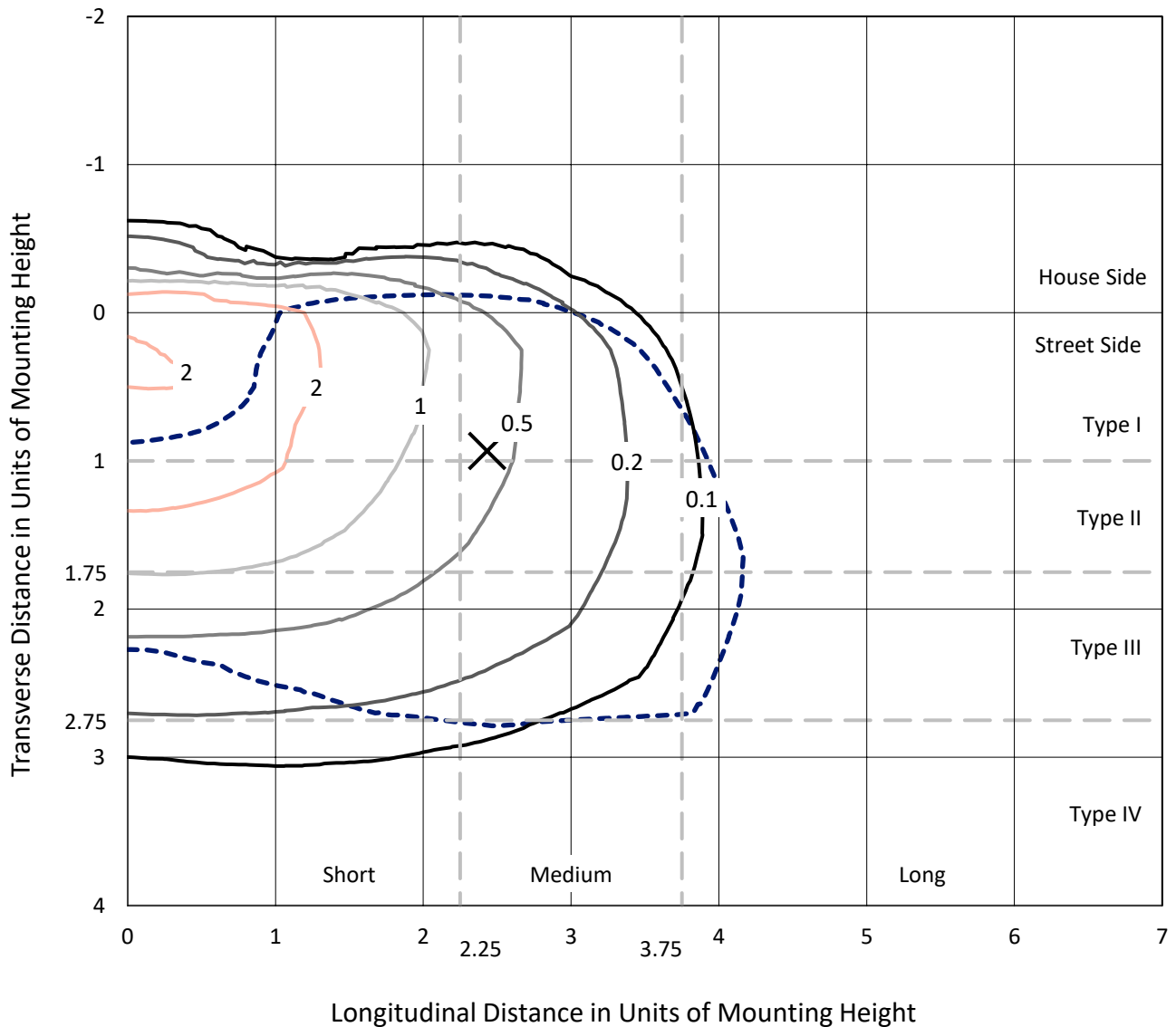




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Iso-Footcandle Lines of Horizontal Illumination

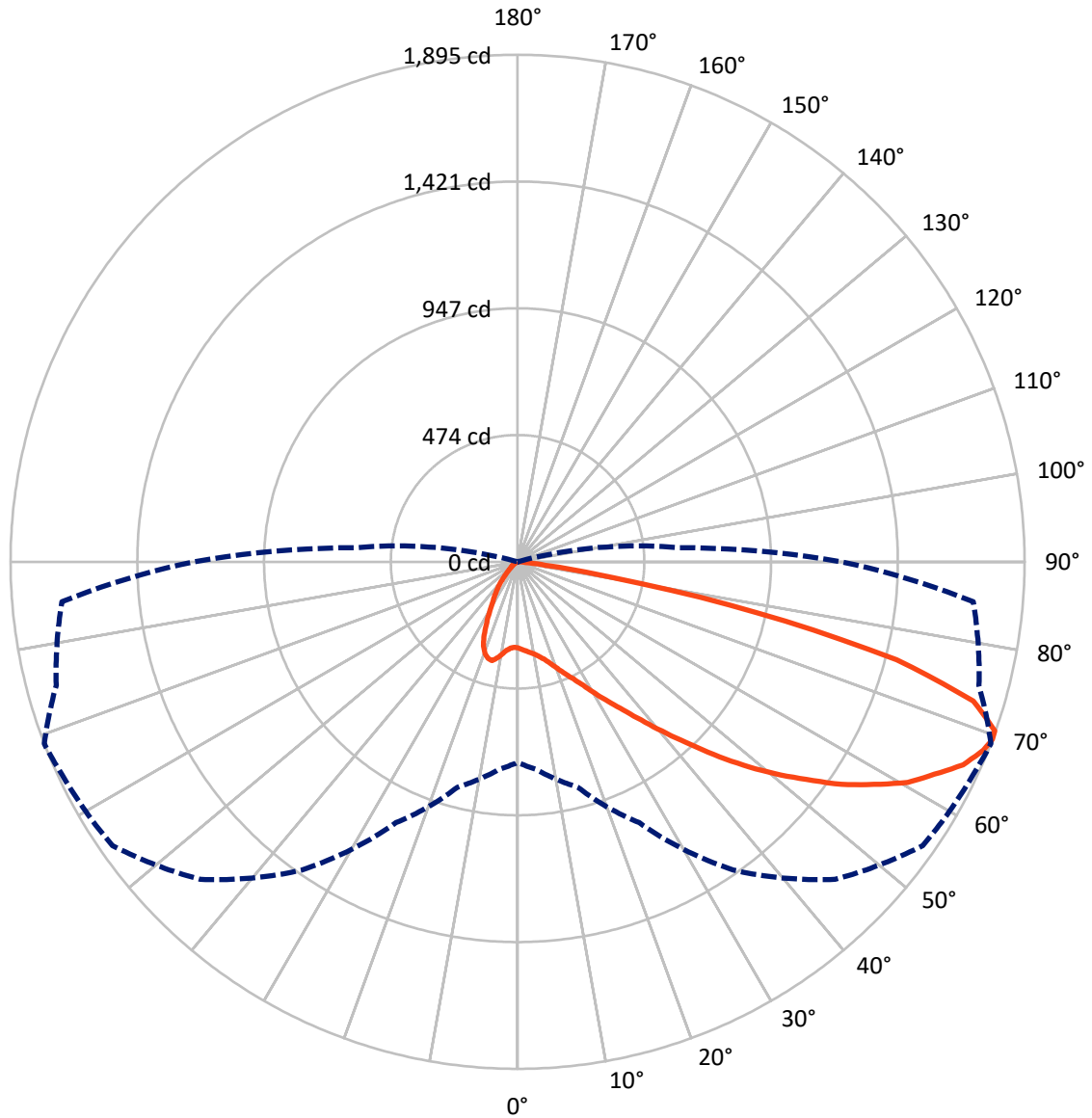
× Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 2.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 69-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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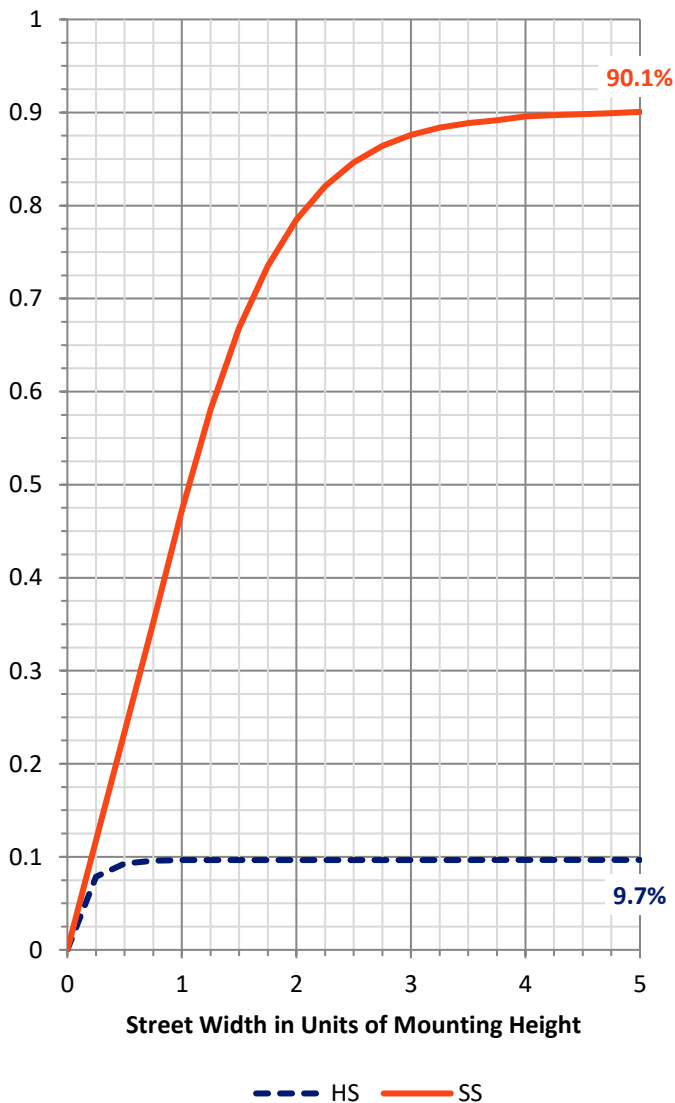
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	282.0	0.0	282.0
	% Fixture	9.7	0.0	9.7
Street Side	Lumens	2612.0	0.0	2612.0
	% Fixture	90.3	0.0	90.3
Total	Lumens	2894.0	0.0	2894.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.7	1.1
10°-20°	81.2	2.8
20°-30°	135.2	4.7
30°-40°	243.4	8.4
40°-50°	441.4	15.3
50°-60°	689.8	23.8
60°-70°	798.1	27.6
70°-80°	446.3	15.4
80°-90°	27.9	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°	2894.0	100.0
0°-180°	2894.0	100.0

Coefficient of Utilization

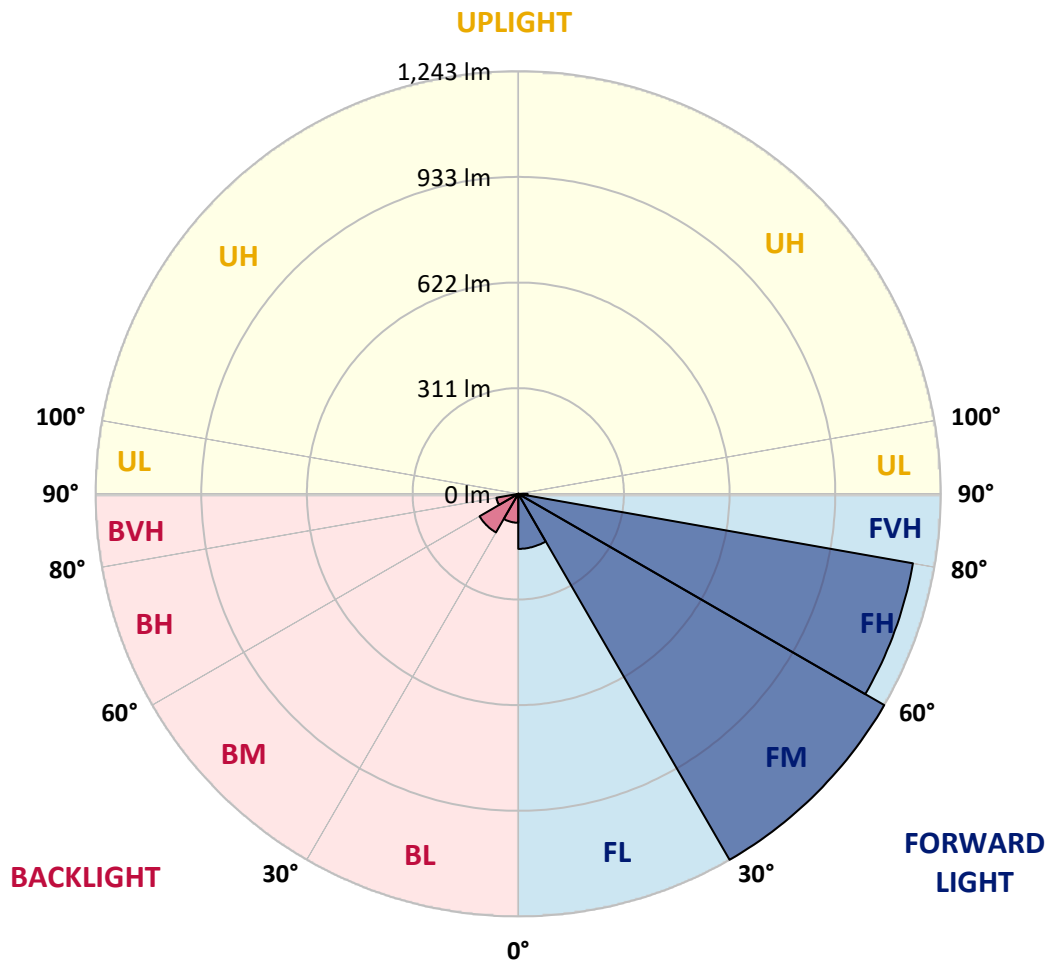


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	161.9	5.6			
FM (30°-60°)	1243.4	43.0			
FH (60°-80°)	1179.1	40.7			G1/1800
FVH (80°-90°)	27.7	1.0			G1/100
BL (0°-30°)	85.2	2.9	B0/110		
BM (30°-60°)	131.3	4.5	B0/220		
BH (60°-80°)	65.3	2.3	B0/110		G0/110
BVH (80°-90°)	0.2	0.0			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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
0°	321.9	321.9	321.9	321.9	321.9	321.9	321.9	321.9	321.9	321.9	321.9
2.5°	333.5	333.5	333.5	331.5	332.5	331.5	330.6	327.7	328.7	327.7	324.8
5°	321.9	322.9	325.8	327.7	332.5	334.4	335.4	335.4	334.4	332.5	330.6
7.5°	299.7	299.7	302.6	308.4	318.1	328.7	337.3	342.2	343.1	343.1	340.2
10°	294.0	294.0	297.8	301.7	311.3	323.8	337.3	348.9	350.8	352.8	351.8
12.5°	291.1	292.0	295.9	302.6	315.2	326.7	341.2	357.6	363.4	368.2	369.1
15°	294.9	294.9	298.8	305.5	320.0	336.4	354.7	373.0	378.8	385.5	390.3
17.5°	300.7	302.6	304.6	311.3	324.8	345.0	369.1	393.2	400.0	408.7	412.5
20°	310.3	310.3	312.3	318.1	332.5	356.6	390.3	419.3	425.0	430.8	435.6
22.5°	321.9	322.9	322.9	327.7	344.1	370.1	408.7	444.3	454.0	456.8	458.8
25°	356.6	354.7	347.9	345.0	357.6	385.5	430.8	474.2	484.8	487.7	483.8
27.5°	428.9	421.2	402.9	383.6	381.7	409.6	460.7	511.8	523.3	524.3	510.8
30°	519.5	520.5	490.6	449.1	421.2	435.6	493.5	559.0	570.6	565.8	544.5
32.5°	631.3	626.5	604.3	544.5	488.6	476.1	529.1	608.2	621.7	613.9	586.0
35°	726.7	729.6	702.6	649.6	579.2	538.8	572.5	663.1	679.5	666.0	631.3
37.5°	806.7	810.6	794.2	750.8	688.2	624.5	629.4	727.7	749.8	736.3	693.0
40°	895.4	898.3	891.5	844.3	788.4	726.7	705.5	801.9	831.8	813.5	768.2
42.5°	992.7	1003.3	991.8	954.2	896.3	843.3	811.5	892.5	922.4	910.8	850.1
45°	1125.7	1126.7	1113.2	1075.6	1015.9	972.5	933.9	988.9	1027.4	1013.0	941.6
47.5°	1224.0	1230.8	1223.1	1197.0	1148.9	1119.9	1066.9	1094.9	1135.4	1117.1	1036.1
50°	1299.2	1317.5	1310.8	1318.5	1294.4	1281.9	1200.9	1204.8	1244.3	1228.9	1132.5
52.5°	1340.7	1363.8	1365.7	1405.2	1425.5	1456.3	1331.0	1325.2	1350.3	1336.8	1230.8
55°	1334.9	1340.7	1388.8	1461.1	1540.2	1610.5	1458.2	1434.1	1468.8	1431.3	1334.9
57.5°	1279.0	1293.4	1378.2	1467.9	1607.6	1709.8	1568.1	1541.1	1570.0	1519.9	1441.9
60°	1199.0	1220.2	1329.1	1457.3	1647.1	1769.5	1675.1	1648.1	1674.1	1613.4	1563.3
62.5°	1126.7	1136.3	1236.6	1412.9	1624.0	1766.7	1758.0	1732.9	1748.3	1684.7	1667.4
65°	1023.6	1027.4	1126.7	1332.9	1572.9	1747.4	1803.3	1812.9	1829.3	1744.5	1741.6
67.5°	864.5	873.2	971.5	1193.2	1488.1	1709.8	1838.9	1858.2	1877.5	1776.3	1755.1
69°	749.8	777.8	872.2	1075.6	1406.2	1678.0	1848.6	1879.4	1894.8	1785.0	1709.8
70°	656.4	680.4	789.4	985.0	1333.9	1642.3	1855.3	1876.5	1891.9	1766.7	1635.6
72.5°	329.6	360.5	509.9	719.0	1060.2	1479.4	1820.6	1797.5	1781.1	1625.0	1323.3
75°	127.2	132.0	218.8	409.6	663.1	1086.2	1554.6	1511.2	1463.1	1232.7	784.5
77.5°	70.4	69.4	95.4	181.2	282.4	531.1	1051.5	982.1	915.6	662.1	318.1
80°	29.9	31.8	41.4	86.7	148.4	184.1	510.8	454.0	361.4	210.1	76.1
82.5°	18.3	19.3	28.9	53.0	103.1	70.4	165.8	141.7	104.1	56.9	18.3
85°	5.8	6.7	20.2	35.7	50.1	28.9	37.6	32.8	28.9	24.1	5.8
87.5°	1.0	1.0	7.7	19.3	13.5	4.8	3.9	6.7	10.6	11.6	1.9
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°	321.9	321.9	321.9	321.9	321.9	321.9	321.9	321.9	321.9	321.9	321.9
2.5°	323.8	321.9	320.0	319.0	319.0	317.1	316.1	315.2	315.2	314.2	314.2
5°	327.7	325.8	323.8	322.9	320.9	320.0	320.0	320.0	319.0	320.0	320.9
7.5°	337.3	334.4	333.5	332.5	332.5	329.6	324.8	312.3	299.7	295.9	292.0
10°	350.8	349.9	349.9	349.9	343.1	318.1	283.4	252.5	236.1	222.6	222.6
12.5°	370.1	370.1	369.1	366.2	331.5	270.8	216.9	170.6	143.6	128.2	130.1
15°	391.3	390.3	392.3	374.0	292.0	209.1	131.1	92.5	78.1	76.1	76.1
17.5°	413.5	415.4	413.5	353.7	240.0	129.1	78.1	70.4	68.4	68.4	68.4
20°	436.6	434.7	431.8	319.0	174.4	81.0	67.5	65.5	63.6	62.6	62.6
22.5°	459.7	457.8	438.5	274.7	108.9	66.5	63.6	59.8	56.9	55.9	55.9
25°	481.9	481.9	426.0	217.8	74.2	62.6	57.8	54.0	51.1	48.2	48.2
27.5°	509.9	511.8	405.8	152.3	62.6	57.8	52.0	46.3	42.4	40.5	40.5
30°	541.7	544.5	373.0	99.3	56.9	51.1	45.3	38.6	32.8	30.8	29.9
32.5°	579.2	582.1	335.4	65.5	51.1	44.3	37.6	28.9	23.1	22.2	21.2
35°	627.4	620.7	290.1	52.0	44.3	37.6	28.9	20.2	16.4	15.4	15.4
37.5°	687.2	672.7	238.1	45.3	37.6	29.9	21.2	13.5	10.6	10.6	9.6
40°	755.6	715.1	184.1	40.5	31.8	23.1	13.5	8.7	6.7	6.7	6.7
42.5°	830.8	750.8	131.1	35.7	26.0	16.4	8.7	4.8	3.9	3.9	3.9
45°	917.5	783.6	89.6	30.8	22.2	11.6	4.8	1.9	1.9	1.9	1.9
47.5°	1004.3	804.8	59.8	27.0	16.4	6.7	2.9	1.0	1.0	1.0	1.0
50°	1092.0	821.2	46.3	23.1	11.6	3.9	1.0	0.0	0.0	0.0	0.0
52.5°	1170.1	832.7	37.6	19.3	7.7	2.9	1.0	0.0	0.0	0.0	0.0
55°	1237.5	833.7	32.8	15.4	5.8	1.9	0.0	0.0	0.0	0.0	0.0
57.5°	1306.0	826.0	28.0	11.6	3.9	1.0	0.0	0.0	0.0	0.0	0.0
60°	1347.4	805.7	22.2	8.7	2.9	1.0	0.0	0.0	0.0	0.0	0.0
62.5°	1372.5	772.0	17.3	5.8	1.9	1.0	0.0	0.0	0.0	0.0	0.0
65°	1358.0	729.6	12.5	3.9	1.9	1.0	0.0	0.0	0.0	0.0	0.0
67.5°	1290.5	664.1	8.7	2.9	1.0	1.0	0.0	0.0	0.0	0.0	0.0
69°	1210.5	604.3	7.7	1.9	1.0	1.0	0.0	0.0	0.0	0.0	0.0
70°	1140.2	558.0	6.7	1.9	1.0	1.0	0.0	0.0	0.0	0.0	0.0
72.5°	849.1	359.5	5.8	1.9	1.0	1.0	0.0	0.0	0.0	0.0	0.0
75°	477.1	120.5	3.9	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	179.3	30.8	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	39.5	7.7	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	8.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.0	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)