

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: P595628

Luminaire Tested: **ISW-PA1C-735-U-T4W-HSS**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P595628
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2201-510-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/22/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: ISW-PA1C-735-U-T4W-HSS
Description: IMPACT ELITE LED WEDGE LUMINAIRE
(1) 70 CRI, 3500K, 615mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4476 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
Luminous Opening: Rectangular (W 0.75' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

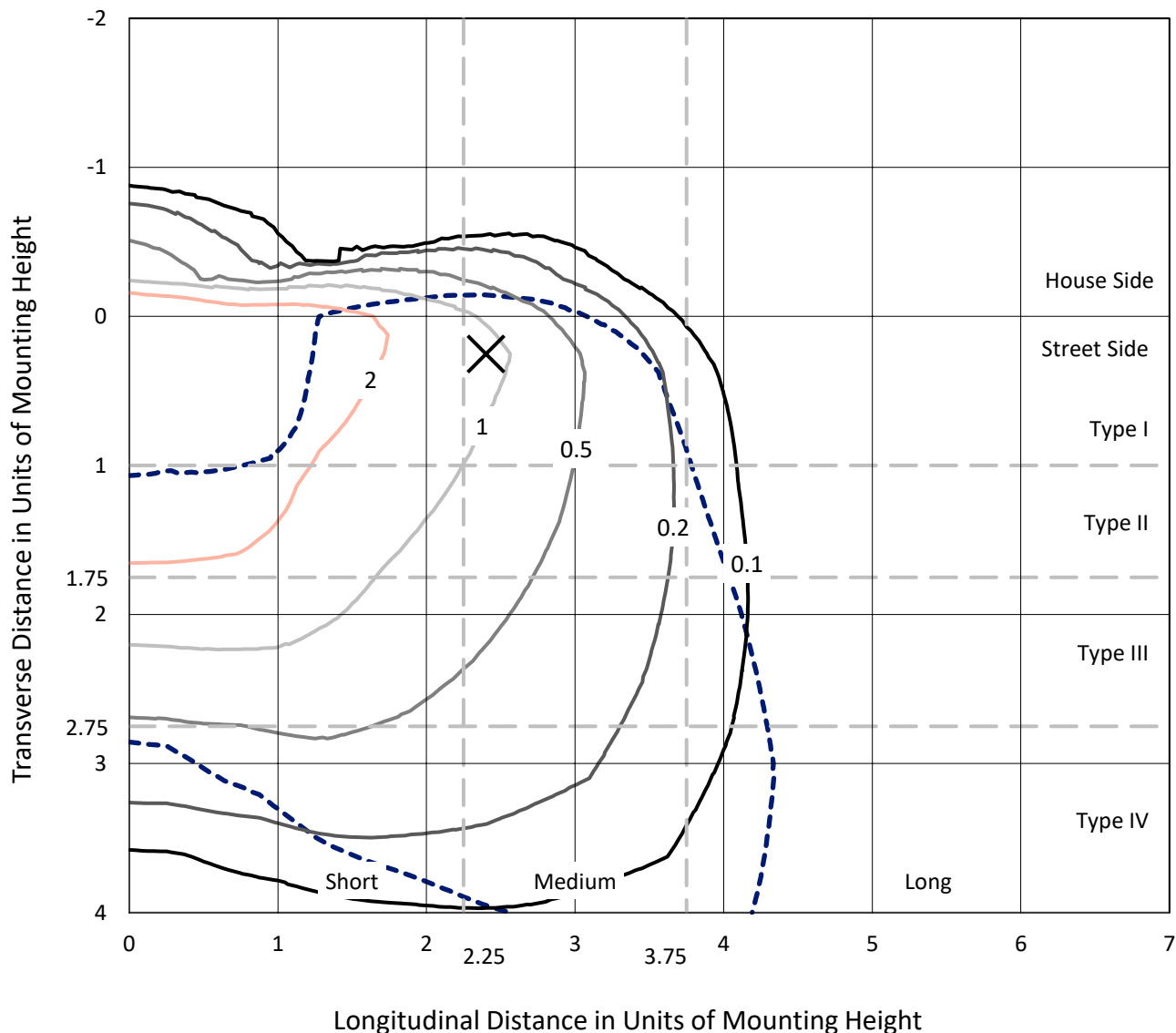
Input Watts (W): 48.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P595628
 CATALOG NUMBER: ISW-PA1C-735-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination

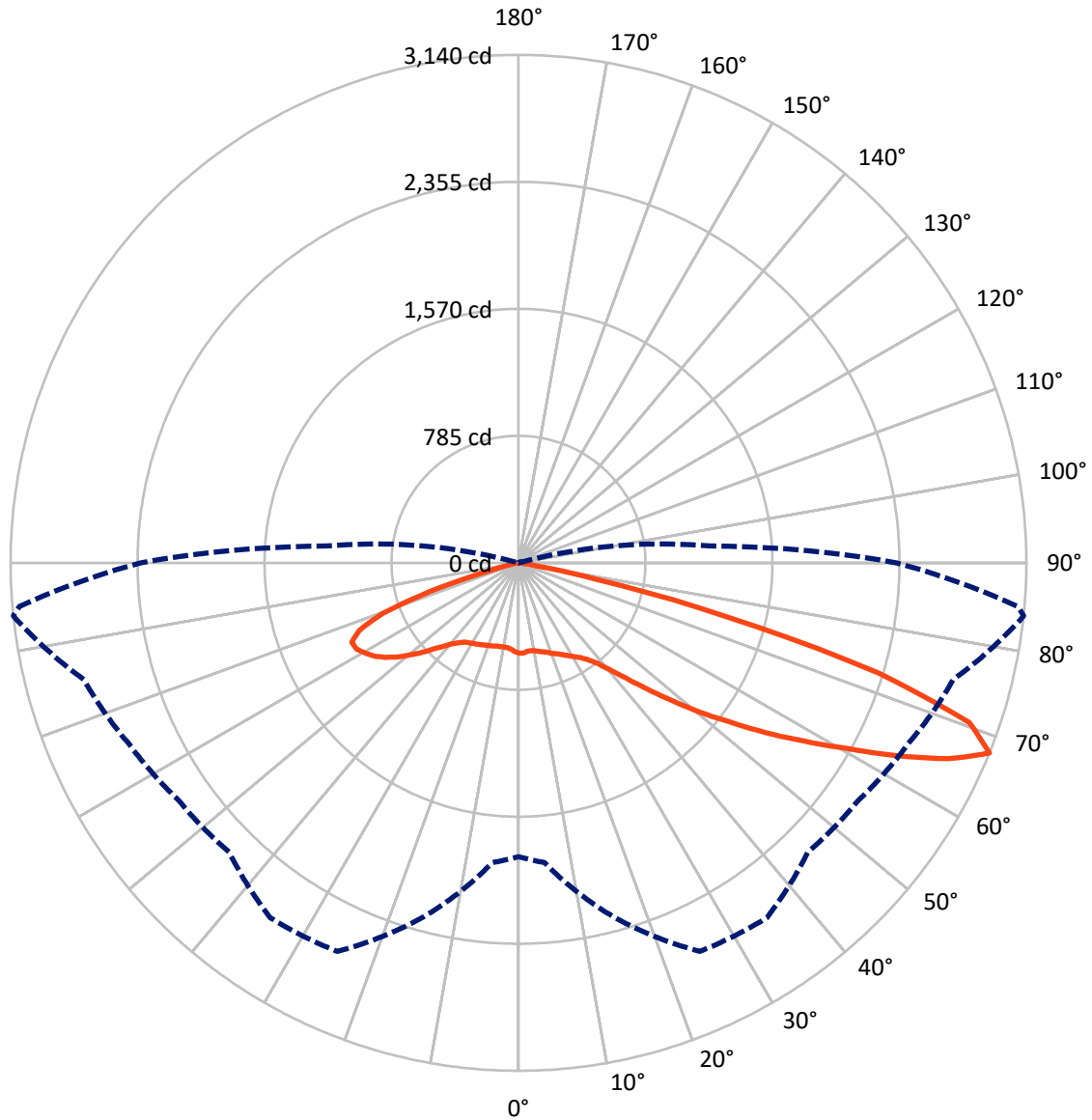
× Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 4.5 fc
 Type IV - Medium - N/A

REPORT NUMBER: P595628
CATALOG NUMBER: ISW-PA1C-735-U-T4W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 84-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P595628
 CATALOG NUMBER: ISW-PA1C-735-U-T4W-HSS

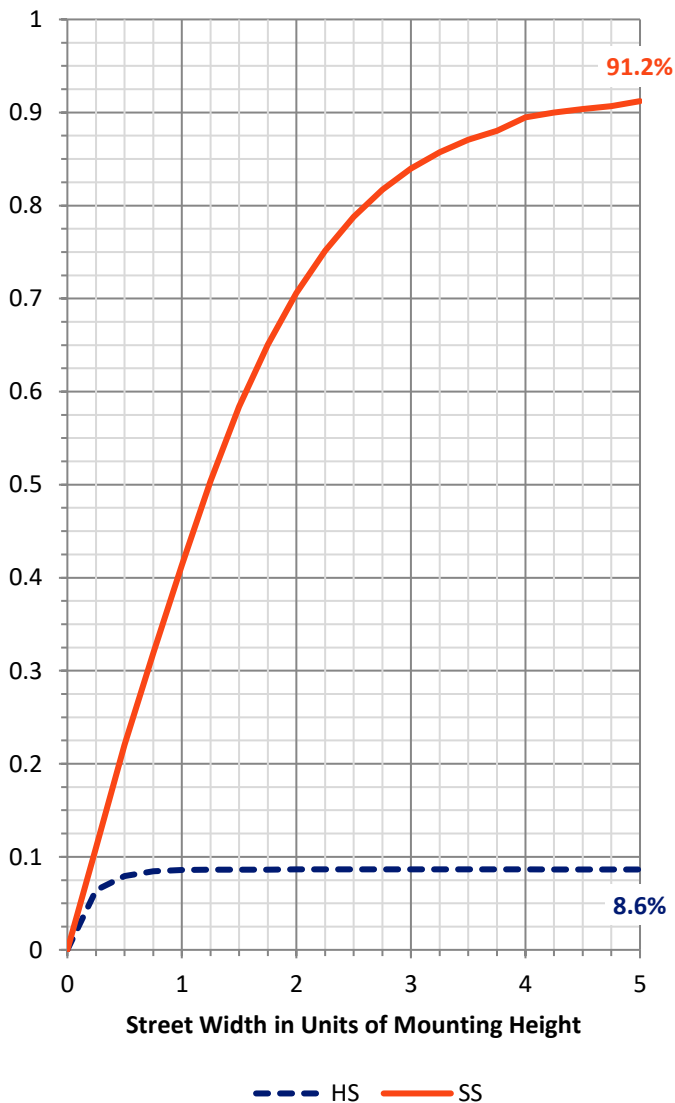
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	389.7	0.0	389.7
	% Fixture	8.7	0.0	8.7
Street Side	Lumens	4086.3	0.0	4086.3
	% Fixture	91.3	0.0	91.3
Total	Lumens	4476.0	0.0	4476.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.0	1.1
10°-20°	130.8	2.9
20°-30°	209.5	4.7
30°-40°	301.4	6.7
40°-50°	517.4	11.6
50°-60°	904.0	20.2
60°-70°	1294.5	28.9
70°-80°	973.0	21.7
80°-90°	95.5	2.1
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°	4476.0	100.0
0°-180°	4476.0	100.0

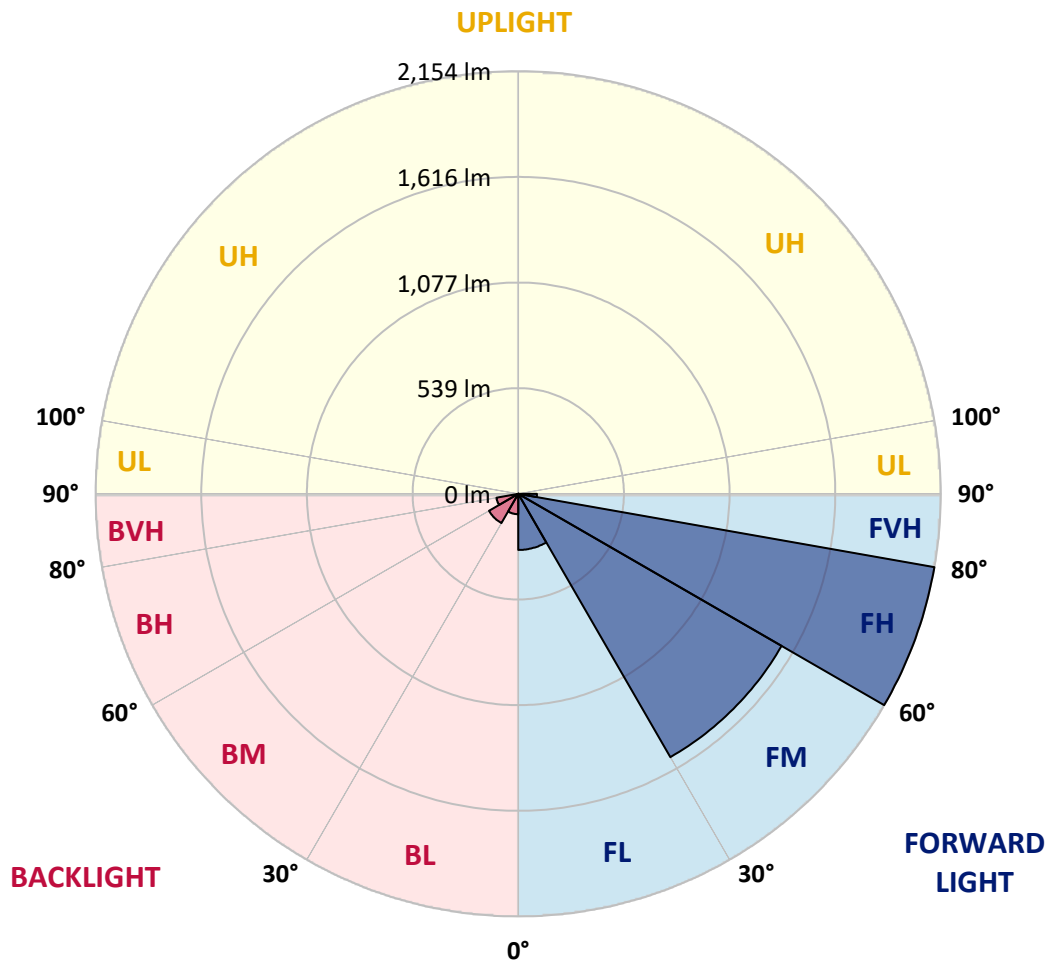


REPORT NUMBER: P595628
 CATALOG NUMBER: ISW-PA1C-735-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	286.2	6.4			
FM (30°-60°)	1550.4	34.6			
FH (60°-80°)	2154.5	48.1			G2/5000
FVH (80°-90°)	95.2	2.1			G1/100
BL (0°-30°)	104.1	2.3	B0/110		
BM (30°-60°)	172.3	3.9	B0/220		
BH (60°-80°)	113.0	2.5	B1/500		G1/500
BVH (80°-90°)	0.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type IV Medium





REPORT NUMBER: P595628
 CATALOG NUMBER: ISW-PA1C-735-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	84°	85°
0°	557.7	557.7	557.7	557.7	557.7	557.7	557.7	557.7	557.7	557.7	557.7
2.5°	589.4	592.4	593.9	586.4	586.4	580.3	571.3	568.2	563.7	559.2	557.7
5°	619.6	624.2	622.6	613.6	609.0	596.9	584.9	572.8	560.7	550.1	550.1
7.5°	654.4	655.9	651.4	636.2	627.2	610.5	592.4	578.8	563.7	548.6	545.6
10°	684.6	683.1	677.0	661.9	645.3	624.2	604.5	589.4	571.3	553.1	551.6
12.5°	705.8	707.3	699.7	678.6	661.9	637.8	618.1	603.0	581.8	562.2	557.7
15°	723.9	728.4	719.4	698.2	674.0	652.9	637.8	618.1	593.9	571.3	568.2
17.5°	740.5	742.0	734.5	710.3	687.6	669.5	652.9	634.7	610.5	581.8	578.8
20°	749.6	754.1	749.6	719.4	698.2	684.6	671.0	652.9	625.7	598.5	595.4
22.5°	755.6	760.2	758.7	725.4	707.3	696.7	684.6	668.0	642.3	610.5	607.5
25°	758.7	761.7	764.7	731.5	716.3	711.8	701.2	686.1	661.9	628.7	625.7
27.5°	763.2	766.2	769.2	739.0	733.0	728.4	725.4	713.3	684.6	649.8	645.3
30°	770.7	775.3	778.3	752.6	752.6	757.1	757.1	740.5	708.8	672.5	669.5
32.5°	779.8	781.3	787.4	766.2	773.8	784.3	781.3	764.7	731.5	698.2	693.7
35°	804.0	804.0	814.6	787.4	796.4	805.5	808.5	796.4	766.2	733.0	731.5
37.5°	862.9	862.9	872.0	828.2	826.7	835.7	846.3	846.3	816.1	785.9	782.8
40°	995.9	995.9	995.9	894.7	878.0	888.6	905.2	914.3	888.6	867.5	867.5
42.5°	1218.1	1219.6	1196.9	1017.1	946.0	964.2	982.3	1002.0	988.4	973.3	970.2
45°	1447.8	1440.2	1437.2	1196.9	1067.0	1057.9	1080.6	1113.8	1118.3	1109.3	1115.3
47.5°	1605.0	1612.5	1617.1	1420.6	1236.2	1174.3	1195.4	1242.3	1269.5	1267.9	1277.0
50°	1757.6	1762.1	1766.7	1666.9	1459.9	1320.8	1334.4	1397.9	1435.7	1447.8	1453.8
52.5°	1890.6	1878.5	1898.1	1884.5	1697.1	1488.6	1488.6	1561.1	1629.1	1633.7	1632.2
55°	1929.9	1937.4	1996.4	2037.2	1940.5	1694.1	1663.9	1741.0	1813.5	1851.3	1851.3
57.5°	2017.5	2025.1	2096.1	2188.3	2117.3	1896.6	1851.3	1926.9	2005.4	2078.0	2088.6
60°	2132.4	2133.9	2209.5	2350.0	2251.8	2079.5	2041.7	2127.9	2206.4	2330.4	2365.1
62.5°	2194.4	2200.4	2304.7	2489.0	2421.0	2239.7	2230.6	2309.2	2410.5	2628.1	2659.8
65°	2099.1	2138.4	2365.1	2572.2	2558.6	2389.3	2421.0	2484.5	2600.9	2919.8	2950.0
67.5°	1816.5	1860.4	2265.4	2650.8	2678.0	2529.9	2563.1	2655.3	2783.7	3140.4	3098.1
70°	1673.0	1709.2	2023.6	2694.6	2777.7	2687.0	2702.1	2788.3	2826.1	2956.0	2910.7
72.5°	1267.9	1305.7	1712.3	2545.0	2863.8	2851.8	2814.0	2742.9	2519.3	2325.8	2215.5
75°	560.7	604.5	1139.5	1988.8	2650.8	2945.4	2746.0	2348.5	1809.0	1320.8	1224.1
77.5°	247.8	273.5	441.3	1104.7	1991.8	2549.5	2171.7	1565.7	908.3	491.2	456.4
80°	80.1	83.1	139.0	386.9	1018.6	1688.1	1329.9	752.6	279.6	114.9	107.3
82.5°	31.7	34.8	66.5	163.2	421.6	671.0	652.9	272.0	81.6	30.2	30.2
85°	9.1	10.6	33.2	86.1	149.6	188.9	231.2	90.7	43.8	9.1	9.1
87.5°	3.0	3.0	12.1	27.2	28.7	19.6	43.8	34.8	27.2	3.0	3.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P595628
 CATALOG NUMBER: ISW-PA1C-735-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	557.7	557.7	557.7	557.7	557.7	557.7	557.7	557.7	557.7	557.7	557.7
2.5°	554.6	551.6	544.1	538.0	535.0	530.5	524.4	521.4	521.4	519.9	515.3
5°	544.1	539.5	525.9	516.9	509.3	492.7	480.6	465.5	450.4	445.8	450.4
7.5°	539.5	530.5	512.3	494.2	462.4	418.6	389.9	358.2	347.6	334.0	335.5
10°	541.0	530.5	504.8	464.0	402.0	337.0	291.7	249.4	228.2	217.6	219.1
12.5°	545.6	533.5	497.2	423.2	334.0	255.4	185.9	152.6	146.6	146.6	146.6
15°	554.6	536.5	485.1	374.8	261.4	169.3	131.5	128.5	133.0	137.5	139.0
17.5°	563.7	545.6	467.0	324.9	190.4	126.9	122.4	122.4	126.9	131.5	133.0
20°	574.3	554.6	441.3	272.0	136.0	119.4	117.9	116.4	119.4	123.9	125.4
22.5°	590.9	563.7	411.1	210.1	117.9	114.9	111.8	110.3	111.8	116.4	117.9
25°	606.0	575.8	379.3	155.7	110.3	107.3	105.8	104.3	104.3	107.3	108.8
27.5°	624.2	589.4	344.6	116.4	101.3	99.7	98.2	96.7	95.2	98.2	99.7
30°	646.8	601.5	306.8	98.2	92.2	90.7	89.2	87.7	86.1	87.7	89.2
32.5°	675.5	618.1	263.0	89.2	84.6	80.1	78.6	78.6	77.1	77.1	78.6
35°	713.3	636.2	216.1	83.1	77.1	72.5	68.0	66.5	66.5	66.5	68.0
37.5°	769.2	669.5	170.8	77.1	71.0	63.5	58.9	54.4	54.4	54.4	54.4
40°	846.3	705.8	133.0	72.5	66.5	55.9	49.9	43.8	40.8	39.3	40.8
42.5°	965.7	760.2	102.8	66.5	63.5	49.9	40.8	33.2	27.2	25.7	27.2
45°	1097.2	819.1	81.6	62.0	57.4	42.3	31.7	22.7	16.6	15.1	16.6
47.5°	1263.4	893.2	69.5	55.9	49.9	34.8	22.7	12.1	7.6	9.1	9.1
50°	1423.6	965.7	63.5	51.4	43.8	28.7	13.6	6.0	3.0	4.5	4.5
52.5°	1600.4	1042.8	58.9	45.3	37.8	21.2	7.6	1.5	0.0	1.5	1.5
55°	1778.8	1112.3	54.4	40.8	30.2	15.1	3.0	0.0	0.0	0.0	1.5
57.5°	1972.2	1171.2	49.9	34.8	22.7	9.1	1.5	0.0	0.0	0.0	0.0
60°	2133.9	1216.6	45.3	30.2	15.1	4.5	0.0	0.0	0.0	0.0	0.0
62.5°	2282.0	1257.4	34.8	22.7	9.1	3.0	0.0	0.0	0.0	0.0	0.0
65°	2380.2	1266.4	24.2	15.1	6.0	1.5	0.0	0.0	0.0	0.0	0.0
67.5°	2336.4	1187.9	15.1	10.6	3.0	1.5	0.0	0.0	0.0	0.0	0.0
70°	2053.8	997.4	10.6	6.0	1.5	1.5	0.0	0.0	0.0	0.0	0.0
72.5°	1437.2	643.8	9.1	4.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
75°	758.7	232.7	6.0	3.0	1.5	1.5	0.0	0.0	0.0	0.0	0.0
77.5°	269.0	51.4	3.0	1.5	0.0	1.5	0.0	0.0	0.0	0.0	0.0
80°	58.9	10.6	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	16.6	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.5	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)