

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: P595691

Luminaire Tested: **ISW-PA1D-727-U-T4W-HSS**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P595691
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-PA1D-727-U-T4W-HSS
Description: IMPACT ELITE LED WEDGE LUMINAIRE
(1) 70 CRI, 2700K, 800mA 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: 5001 lumens
Efficiency: N/A
Efficacy: 80.1 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

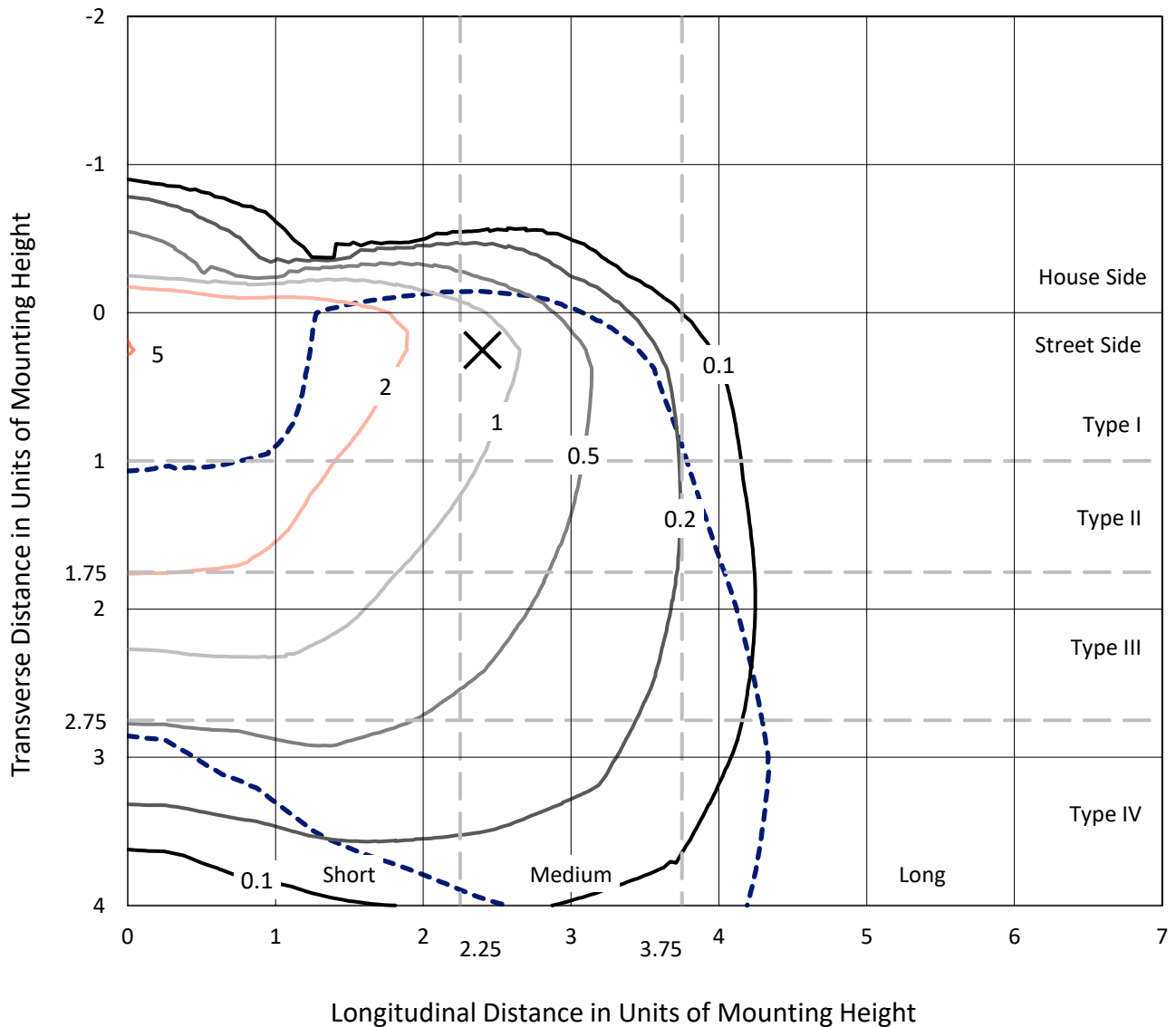
Input Watts (W): 62.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

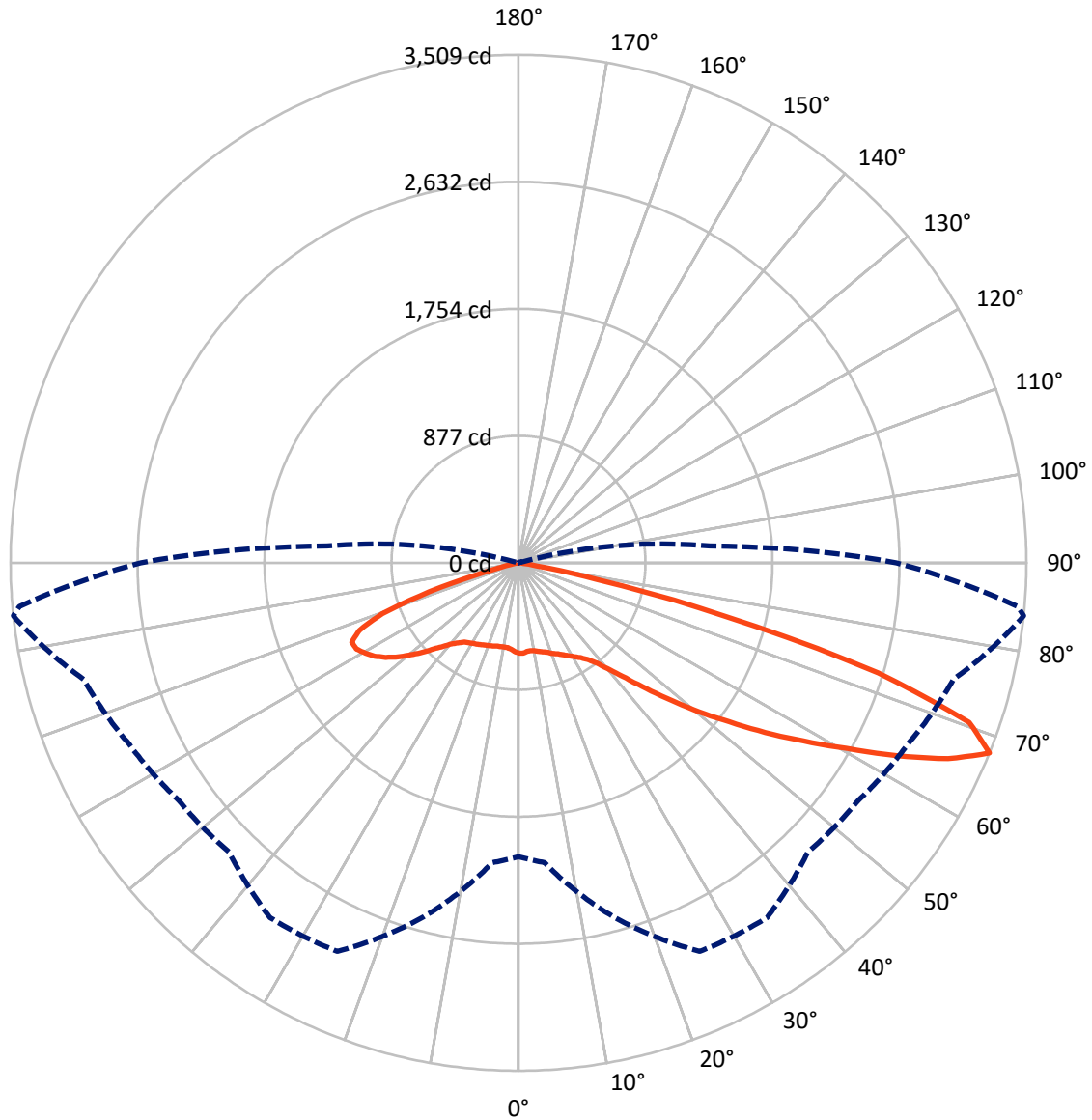
× Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 5.1 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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

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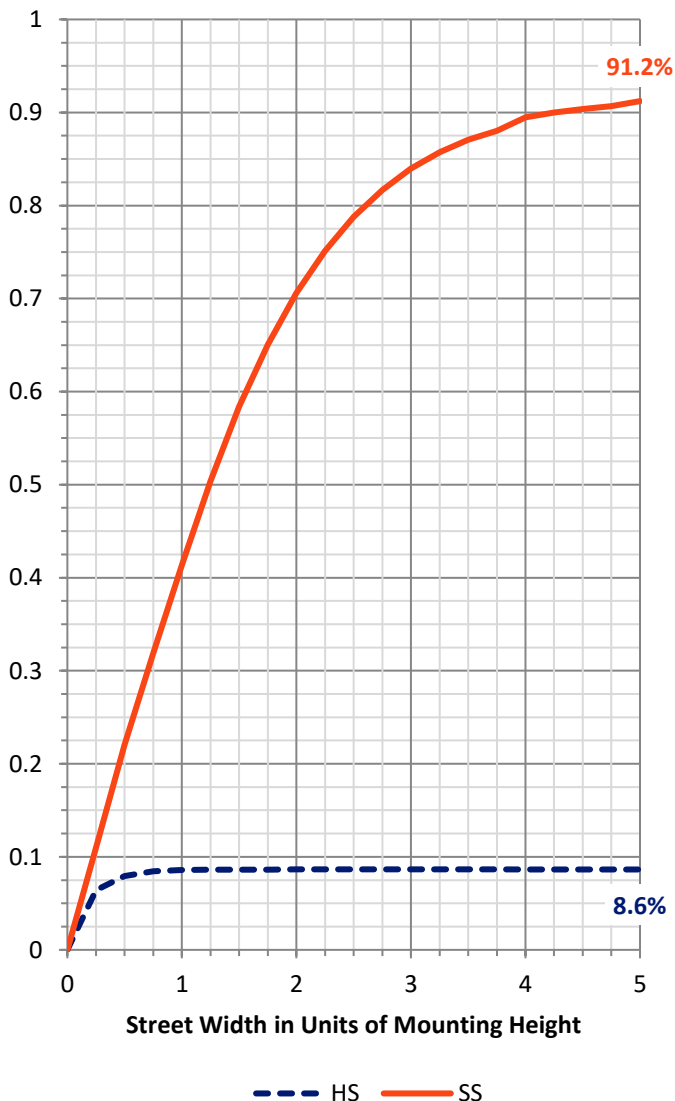
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	435.4	0.0	435.4
	% Fixture	8.7	0.0	8.7
Street Side	Lumens	4565.6	0.0	4565.6
	% Fixture	91.3	0.0	91.3
Total	Lumens	5001.0	0.0	5001.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.9	1.1
10°-20°	146.1	2.9
20°-30°	234.0	4.7
30°-40°	336.8	6.7
40°-50°	578.1	11.6
50°-60°	1010.0	20.2
60°-70°	1446.3	28.9
70°-80°	1087.1	21.7
80°-90°	106.7	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°	5001.0	100.0
0°-180°	5001.0	100.0

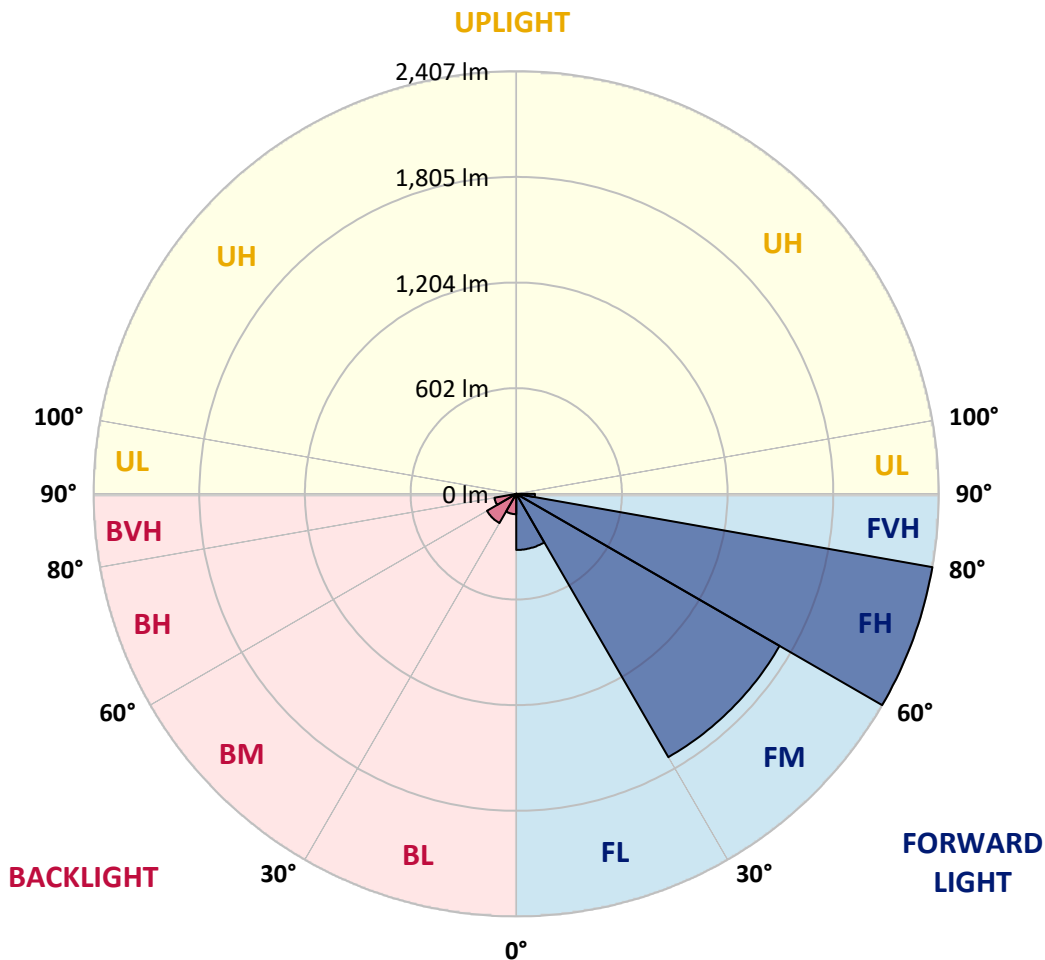


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	319.7	6.4			
FM (30°-60°)	1732.3	34.6			
FH (60°-80°)	2407.2	48.1			G2/5000
FVH (80°-90°)	106.4	2.1			G2/225
BL (0°-30°)	116.3	2.3	B1/500		
BM (30°-60°)	192.6	3.9	B0/220		
BH (60°-80°)	126.2	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	84°	85°
0°	623.1	623.1	623.1	623.1	623.1	623.1	623.1	623.1	623.1	623.1	623.1
2.5°	658.5	661.9	663.6	655.1	655.1	648.4	638.3	634.9	629.8	624.8	623.1
5°	692.3	697.4	695.7	685.5	680.5	667.0	653.5	639.9	626.4	614.6	614.6
7.5°	731.1	732.8	727.8	710.9	700.7	682.2	661.9	646.7	629.8	612.9	609.6
10°	764.9	763.2	756.5	739.6	721.0	697.4	675.4	658.5	638.3	618.0	616.3
12.5°	788.5	790.2	781.8	758.1	739.6	712.6	690.6	673.7	650.1	628.1	623.1
15°	808.8	813.9	803.7	780.1	753.1	729.4	712.6	690.6	663.6	638.3	634.9
17.5°	827.4	829.1	820.6	793.6	768.3	748.0	729.4	709.2	682.2	650.1	646.7
20°	837.5	842.6	837.5	803.7	780.1	764.9	749.7	729.4	699.0	668.7	665.3
22.5°	844.3	849.3	847.6	810.5	790.2	778.4	764.9	746.3	717.6	682.2	678.8
25°	847.6	851.0	854.4	817.2	800.4	795.3	783.5	766.6	739.6	702.4	699.0
27.5°	852.7	856.1	859.5	825.7	818.9	813.9	810.5	797.0	764.9	726.1	721.0
30°	861.1	866.2	869.6	840.9	840.9	845.9	845.9	827.4	791.9	751.4	748.0
32.5°	871.3	873.0	879.7	856.1	864.5	876.3	873.0	854.4	817.2	780.1	775.0
35°	898.3	898.3	910.1	879.7	889.9	900.0	903.4	889.9	856.1	818.9	817.2
37.5°	964.1	964.1	974.3	925.3	923.6	933.8	945.6	945.6	911.8	878.0	874.7
40°	1112.7	1112.7	1112.7	999.6	981.0	992.9	1011.4	1021.6	992.9	969.2	969.2
42.5°	1360.9	1362.6	1337.3	1136.4	1057.0	1077.3	1097.5	1119.5	1104.3	1087.4	1084.0
45°	1617.6	1609.2	1605.8	1337.3	1192.1	1182.0	1207.3	1244.4	1249.5	1239.4	1246.1
47.5°	1793.2	1801.7	1806.7	1587.2	1381.2	1312.0	1335.6	1388.0	1418.4	1416.7	1426.8
50°	1963.8	1968.8	1973.9	1862.4	1631.1	1475.8	1491.0	1561.9	1604.1	1617.6	1624.4
52.5°	2112.3	2098.8	2120.8	2105.6	1896.2	1663.2	1663.2	1744.2	1820.2	1825.3	1823.6
55°	2156.2	2164.7	2230.5	2276.1	2168.1	1892.8	1859.1	1945.2	2026.2	2068.4	2068.4
57.5°	2254.2	2262.6	2342.0	2445.0	2365.6	2119.1	2068.4	2152.9	2240.7	2321.7	2333.5
60°	2382.5	2384.2	2468.6	2625.7	2515.9	2323.4	2281.2	2377.4	2465.2	2603.7	2642.5
62.5°	2451.7	2458.5	2575.0	2781.0	2705.0	2502.4	2492.3	2580.1	2693.2	2936.3	2971.8
65°	2345.4	2389.3	2642.5	2873.9	2858.7	2669.6	2705.0	2775.9	2905.9	3262.2	3296.0
67.5°	2029.6	2078.6	2531.1	2961.7	2992.1	2826.6	2863.7	2966.7	3110.3	3508.7	3461.5
70°	1869.2	1909.7	2260.9	3010.6	3103.5	3002.2	3019.1	3115.3	3157.5	3302.7	3252.1
72.5°	1416.7	1458.9	1913.1	2843.5	3199.7	3186.2	3144.0	3064.7	2814.8	2598.6	2475.4
75°	626.4	675.4	1273.1	2222.1	2961.7	3290.9	3068.0	2624.0	2021.2	1475.8	1367.7
77.5°	276.9	305.6	493.0	1234.3	2225.5	2848.5	2426.4	1749.3	1014.8	548.8	509.9
80°	89.5	92.9	155.3	432.3	1138.1	1886.1	1485.9	840.9	312.4	128.3	119.9
82.5°	35.5	38.8	74.3	182.4	471.1	749.7	729.4	303.9	91.2	33.8	33.8
85°	10.1	11.8	37.1	96.2	167.2	211.1	258.3	101.3	49.0	10.1	10.1
87.5°	3.4	3.4	13.5	30.4	32.1	22.0	49.0	38.8	30.4	3.4	3.4
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°	623.1	623.1	623.1	623.1	623.1	623.1	623.1	623.1	623.1	623.1	623.1
2.5°	619.7	616.3	607.9	601.1	597.7	592.7	585.9	582.5	582.5	580.9	575.8
5°	607.9	602.8	587.6	577.5	569.0	550.5	536.9	520.1	503.2	498.1	503.2
7.5°	602.8	592.7	572.4	552.1	516.7	467.7	435.6	400.2	388.4	373.2	374.9
10°	604.5	592.7	564.0	518.4	449.1	376.5	325.9	278.6	255.0	243.1	244.8
12.5°	609.6	596.0	555.5	472.8	373.2	285.4	207.7	170.5	163.8	163.8	163.8
15°	619.7	599.4	542.0	418.8	292.1	189.1	146.9	143.5	148.6	153.7	155.3
17.5°	629.8	609.6	521.8	363.0	212.8	141.8	136.8	136.8	141.8	146.9	148.6
20°	641.6	619.7	493.0	303.9	152.0	133.4	131.7	130.0	133.4	138.5	140.1
22.5°	660.2	629.8	459.3	234.7	131.7	128.3	125.0	123.3	125.0	130.0	131.7
25°	677.1	643.3	423.8	173.9	123.3	119.9	118.2	116.5	116.5	119.9	121.6
27.5°	697.4	658.5	385.0	130.0	113.1	111.4	109.8	108.1	106.4	109.8	111.4
30°	722.7	672.0	342.8	109.8	103.0	101.3	99.6	97.9	96.2	97.9	99.6
32.5°	754.8	690.6	293.8	99.6	94.6	89.5	87.8	87.8	86.1	86.1	87.8
35°	797.0	710.9	241.5	92.9	86.1	81.0	76.0	74.3	74.3	74.3	76.0
37.5°	859.5	748.0	190.8	86.1	79.4	70.9	65.9	60.8	60.8	60.8	60.8
40°	945.6	788.5	148.6	81.0	74.3	62.5	55.7	49.0	45.6	43.9	45.6
42.5°	1079.0	849.3	114.8	74.3	70.9	55.7	45.6	37.1	30.4	28.7	30.4
45°	1225.9	915.2	91.2	69.2	64.2	47.3	35.5	25.3	18.6	16.9	18.6
47.5°	1411.6	997.9	77.7	62.5	55.7	38.8	25.3	13.5	8.4	10.1	10.1
50°	1590.6	1079.0	70.9	57.4	49.0	32.1	15.2	6.8	3.4	5.1	5.1
52.5°	1788.1	1165.1	65.9	50.7	42.2	23.6	8.4	1.7	0.0	1.7	1.7
55°	1987.4	1242.8	60.8	45.6	33.8	16.9	3.4	0.0	0.0	0.0	1.7
57.5°	2203.5	1308.6	55.7	38.8	25.3	10.1	1.7	0.0	0.0	0.0	0.0
60°	2384.2	1359.3	50.7	33.8	16.9	5.1	0.0	0.0	0.0	0.0	0.0
62.5°	2549.7	1404.8	38.8	25.3	10.1	3.4	0.0	0.0	0.0	0.0	0.0
65°	2659.4	1415.0	27.0	16.9	6.8	1.7	0.0	0.0	0.0	0.0	0.0
67.5°	2610.5	1327.2	16.9	11.8	3.4	1.7	0.0	0.0	0.0	0.0	0.0
70°	2294.7	1114.4	11.8	6.8	1.7	1.7	0.0	0.0	0.0	0.0	0.0
72.5°	1605.8	719.3	10.1	5.1	1.7	1.7	0.0	0.0	0.0	0.0	0.0
75°	847.6	260.0	6.8	3.4	1.7	1.7	0.0	0.0	0.0	0.0	0.0
77.5°	300.6	57.4	3.4	1.7	0.0	1.7	0.0	0.0	0.0	0.0	0.0
80°	65.9	11.8	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	18.6	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.7	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)