

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: P671076

Luminaire Tested: **CCP-SA-2B-727-U-T4W**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671076
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-727-U-T4W
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T4W
distribution lens
Light Source: (32) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5826.6 lumens
Efficiency: N/A
Efficacy: 126.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

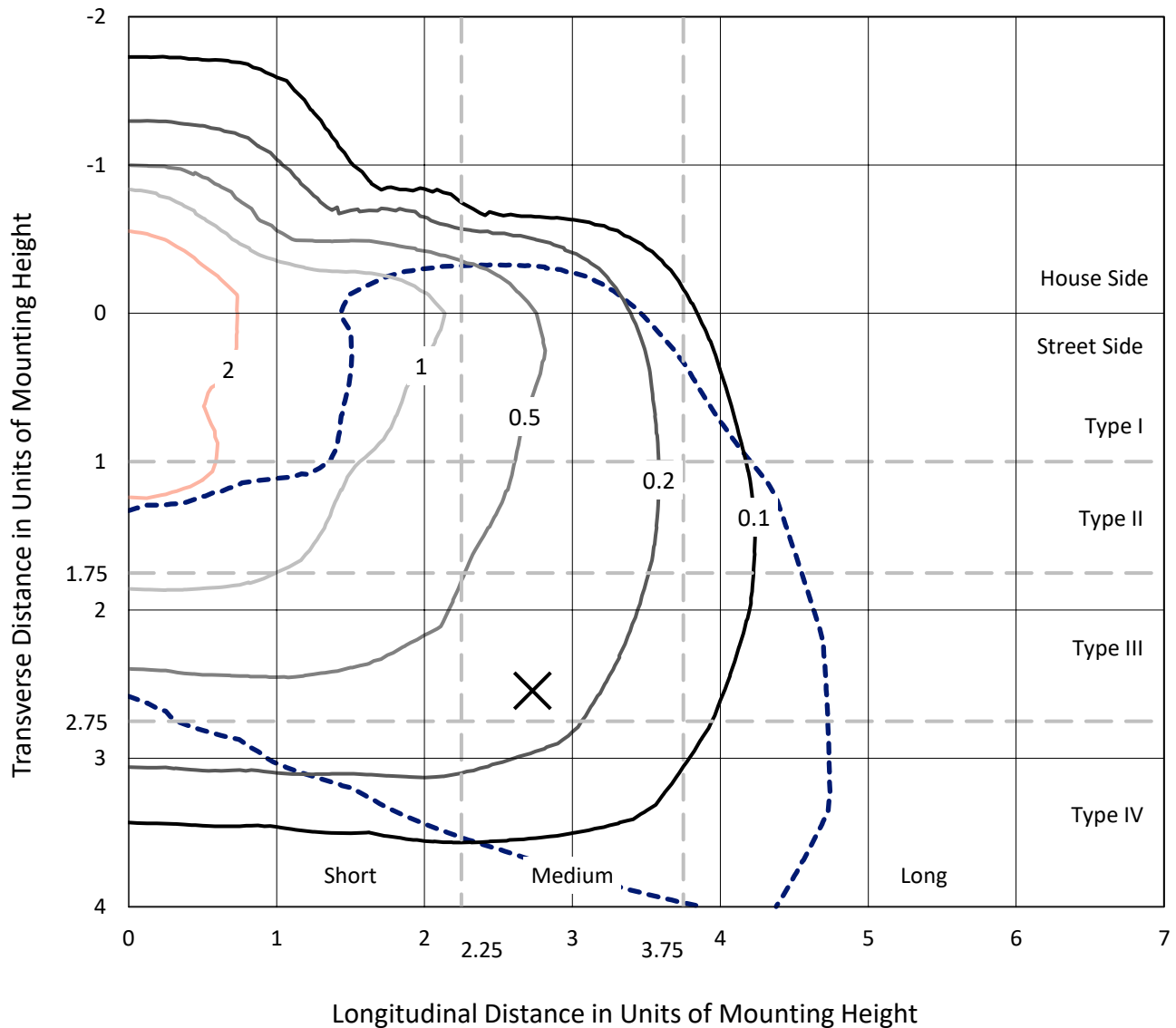
Input Watts (W): 46
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

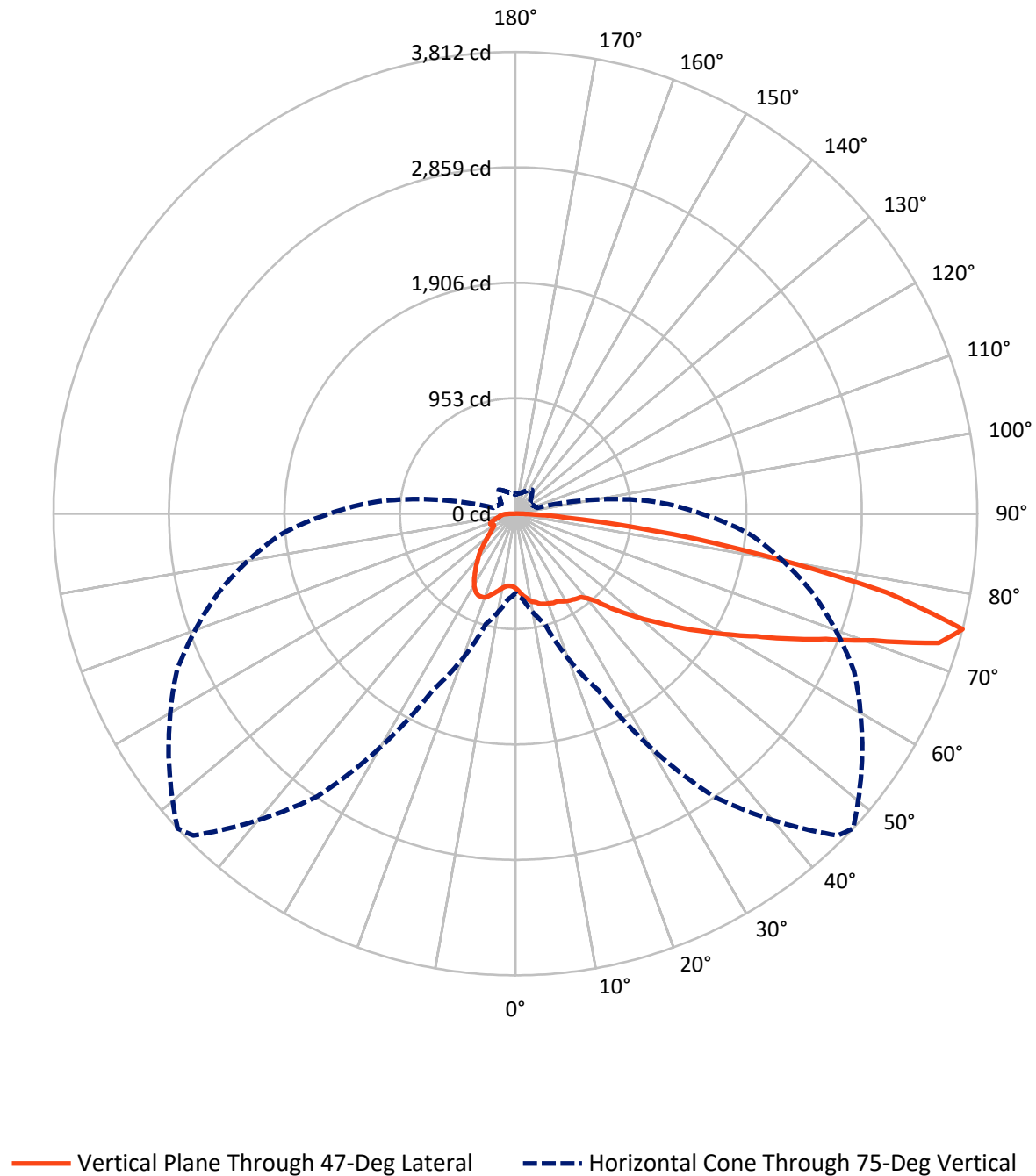


Based on 15 foot mounting height. Maximum calculated value = 3.5 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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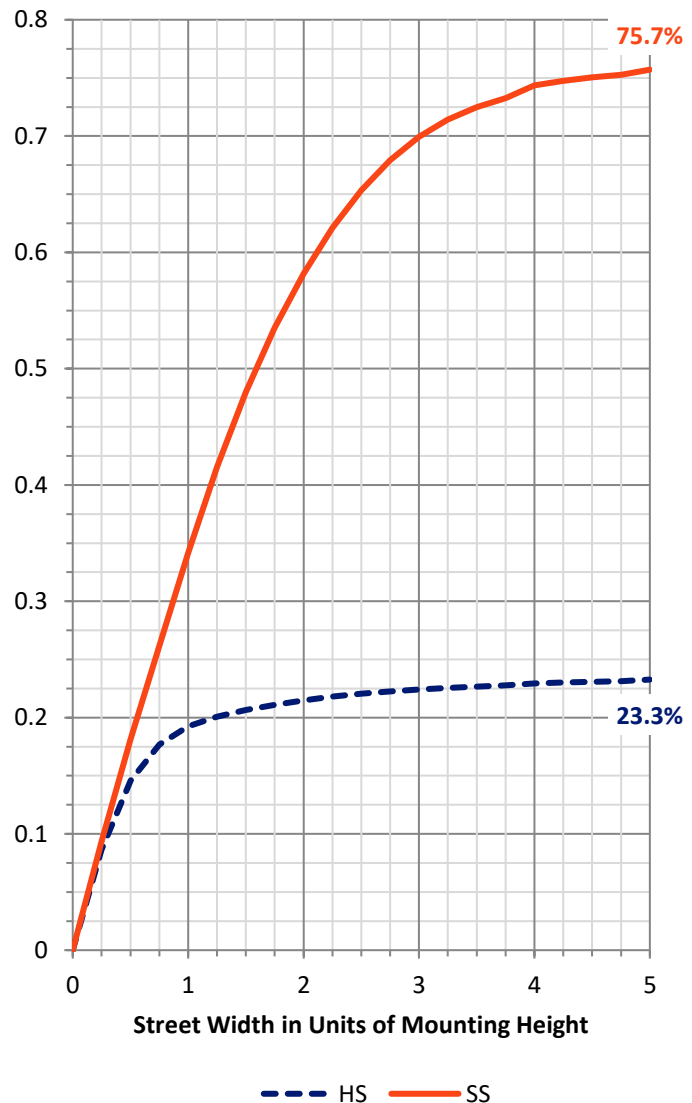
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1393.4	0.0	1393.4
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	4433.2	0.0	4433.2
	% Fixture	76.1	0.0	76.1
Total	Lumens	5826.6	0.0	5826.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.5	1.1
10°-20°	207.7	3.6
20°-30°	355.7	6.1
30°-40°	497.8	8.5
40°-50°	694.0	11.9
50°-60°	1037.4	17.8
60°-70°	1495.6	25.7
70°-80°	1273.1	21.8
80°-90°	202.8	3.5
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°	5826.6	100.0
0°-180°	5826.6	100.0



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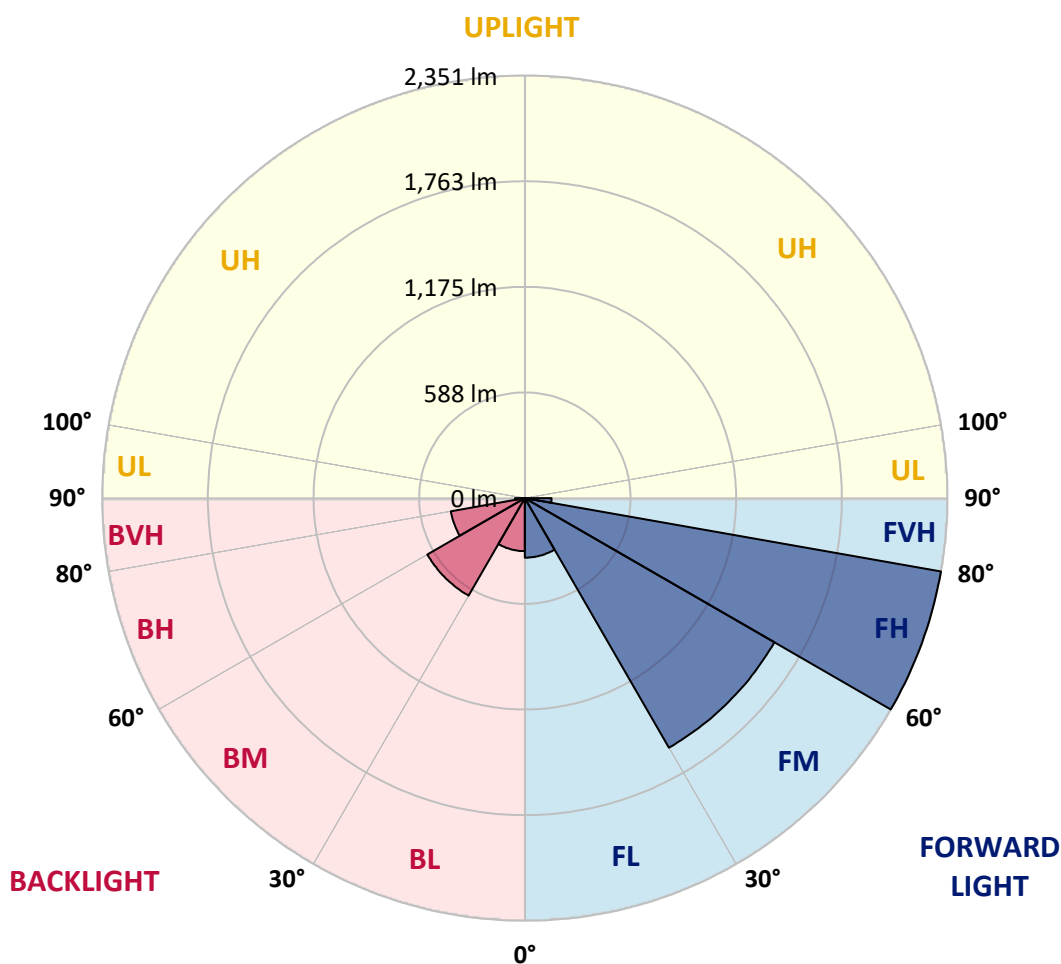
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	331.0	5.7			
FM	(30°-60°)	1602.9	27.5			
FH	(60°-80°)	2350.7	40.3			G2/5000
FVH	(80°-90°)	148.6	2.6			G2/225
BL	(0°-30°)	294.9	5.1	B1/500		
BM	(30°-60°)	626.3	10.7	B1/1000		
BH	(60°-80°)	418.0	7.2	B1/500		G1/500
BVH	(80°-90°)	54.2	0.9			G1/100
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°	47°	55°	65°	75°	85°
0°	618.7	618.7	618.7	618.7	618.7	618.7	618.7	618.7	618.7	618.7	618.7
2.5°	663.3	665.4	665.4	661.2	656.9	648.4	648.4	639.9	635.7	625.0	620.8
5°	725.0	718.6	712.2	710.1	699.5	684.6	682.4	673.9	650.6	639.9	625.0
7.5°	769.6	767.5	765.4	756.9	737.7	714.3	708.0	695.2	671.8	650.6	633.5
10°	805.8	814.3	805.8	786.6	767.5	742.0	739.8	716.5	695.2	669.7	648.4
12.5°	846.1	848.3	833.4	810.0	780.2	759.0	750.5	742.0	718.6	697.3	665.4
15°	873.8	869.5	858.9	827.0	793.0	771.7	773.9	763.2	737.7	722.8	688.8
17.5°	873.8	873.8	856.8	833.4	803.6	784.5	784.5	778.1	761.1	739.8	716.5
20°	856.8	856.8	846.1	833.4	799.4	795.1	790.9	786.6	786.6	767.5	733.5
22.5°	835.5	831.3	835.5	814.3	790.9	795.1	801.5	799.4	793.0	776.0	752.6
25°	814.3	816.4	820.6	805.8	784.5	803.6	801.5	812.1	807.9	795.1	776.0
27.5°	812.1	816.4	818.5	803.6	795.1	812.1	820.6	831.3	833.4	820.6	797.2
30°	844.0	841.9	839.8	820.6	814.3	829.1	837.6	852.5	865.3	837.6	818.5
32.5°	926.9	914.2	901.4	850.4	831.3	841.9	850.4	871.7	873.8	858.9	831.3
35°	1058.7	1050.2	1007.7	918.4	865.3	854.6	863.2	878.0	882.3	871.7	850.4
37.5°	1209.7	1205.4	1145.9	1037.5	935.4	884.4	875.9	897.2	914.2	890.8	861.0
40°	1358.5	1341.5	1299.0	1192.7	1024.7	929.1	918.4	929.1	935.4	918.4	899.3
42.5°	1492.4	1473.3	1462.7	1356.4	1141.7	1003.5	995.0	969.5	988.6	967.3	941.8
45°	1605.1	1600.9	1596.6	1505.2	1275.6	1124.7	1118.3	1052.4	1073.6	1056.6	1020.5
47.5°	1685.9	1705.0	1698.7	1647.6	1428.7	1254.3	1235.2	1150.2	1182.1	1165.0	1128.9
50°	1781.6	1792.2	1785.8	1751.8	1571.1	1403.2	1367.0	1279.8	1316.0	1313.9	1294.7
52.5°	1866.6	1898.5	1862.4	1860.2	1775.2	1564.7	1503.1	1420.2	1479.7	1503.1	1501.0
55°	1966.5	1992.1	1981.4	1977.2	1958.0	1722.1	1666.8	1566.9	1666.8	1700.8	1730.6
57.5°	2051.6	2049.5	2089.9	2138.7	2162.1	1902.8	1836.9	1719.9	1870.9	1909.1	1992.1
60°	2089.9	2126.0	2194.0	2317.3	2383.2	2096.2	2028.2	1934.7	2077.1	2106.9	2259.9
62.5°	2115.4	2147.3	2279.1	2487.4	2525.7	2293.9	2230.2	2136.6	2302.5	2323.7	2551.2
65°	2045.2	2075.0	2336.5	2551.2	2687.3	2506.5	2491.7	2393.9	2527.8	2540.6	2857.3
67.5°	1964.4	1996.3	2287.6	2632.0	2902.0	2789.3	2765.9	2649.0	2751.0	2736.2	3091.2
70°	1822.0	1864.5	2162.1	2702.1	3140.1	3184.7	3138.0	2972.1	2982.8	2842.5	3101.8
72.5°	1388.3	1415.9	1692.3	2423.6	3250.6	3733.2	3652.5	3320.8	3199.6	2863.7	2738.3
75°	659.1	710.1	943.9	1603.0	2848.8	3758.8	3811.9	3493.0	3084.8	2540.6	1941.0
77.5°	191.3	191.3	287.0	680.3	1785.8	3029.5	3129.5	2965.8	2544.8	1881.5	1020.5
80°	104.2	110.6	150.9	240.2	784.5	1911.3	2055.8	1966.5	1498.8	744.1	263.6
82.5°	59.5	61.7	99.9	144.6	357.2	1039.6	1124.7	1020.5	569.8	225.4	123.3
85°	34.0	36.1	57.4	95.7	212.6	382.7	416.7	361.4	229.6	150.9	61.7
87.5°	17.0	17.0	27.6	44.6	108.4	108.4	106.3	129.7	138.2	91.4	27.6
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°	618.7	618.7	618.7	618.7	618.7	618.7	618.7	618.7	618.7	618.7	618.7
2.5°	618.7	616.5	616.5	608.0	605.9	599.5	599.5	595.3	593.2	599.5	599.5
5°	620.8	610.2	608.0	599.5	601.7	597.4	605.9	601.7	599.5	599.5	597.4
7.5°	625.0	614.4	605.9	599.5	597.4	603.8	614.4	614.4	627.2	620.8	620.8
10°	635.7	629.3	618.7	614.4	614.4	620.8	633.5	642.0	652.7	652.7	646.3
12.5°	661.2	650.6	637.8	631.4	639.9	646.3	659.1	667.6	680.3	684.6	680.3
15°	680.3	669.7	665.4	661.2	667.6	676.1	686.7	695.2	710.1	714.3	712.2
17.5°	705.8	693.1	690.9	693.1	697.3	703.7	710.1	716.5	727.1	727.1	727.1
20°	718.6	714.3	712.2	718.6	727.1	735.6	731.3	727.1	725.0	729.2	727.1
22.5°	742.0	737.7	739.8	746.2	746.2	742.0	735.6	720.7	716.5	720.7	716.5
25°	763.2	759.0	759.0	754.7	752.6	737.7	725.0	712.2	697.3	703.7	701.6
27.5°	784.5	782.4	782.4	765.4	744.1	718.6	701.6	686.7	678.2	688.8	682.4
30°	810.0	812.1	801.5	761.1	710.1	682.4	663.3	661.2	659.1	665.4	663.3
32.5°	833.4	835.5	818.5	754.7	684.6	631.4	612.3	614.4	625.0	635.7	646.3
35°	846.1	856.8	835.5	733.5	633.5	574.0	552.8	571.9	591.0	605.9	616.5
37.5°	869.5	897.2	861.0	710.1	588.9	523.0	508.1	514.5	537.9	561.3	571.9
40°	903.5	935.4	867.4	665.4	529.4	472.0	463.5	465.6	474.1	489.0	499.6
42.5°	963.1	997.1	873.8	608.0	469.8	440.1	416.7	410.3	403.9	403.9	401.8
45°	1050.2	1082.1	865.3	535.8	410.3	389.1	372.0	357.2	340.2	312.5	316.8
47.5°	1177.8	1203.3	871.7	472.0	355.0	338.0	325.3	308.3	282.8	253.0	250.9
50°	1371.3	1333.0	863.2	406.1	314.6	299.8	289.1	265.7	236.0	214.7	212.6
52.5°	1596.6	1520.1	854.6	350.8	280.6	267.9	259.4	233.9	206.2	195.6	193.5
55°	1868.7	1758.2	867.4	301.9	255.1	244.5	236.0	212.6	191.3	182.8	180.7
57.5°	2189.8	2015.4	937.6	263.6	227.5	223.2	221.1	202.0	182.8	176.5	174.3
60°	2491.7	2262.1	984.3	236.0	202.0	206.2	210.5	202.0	180.7	176.5	176.5
62.5°	2744.7	2466.2	909.9	212.6	189.2	202.0	221.1	214.7	206.2	210.5	206.2
65°	2967.9	2536.3	680.3	199.8	182.8	212.6	244.5	242.4	223.2	227.5	225.4
67.5°	3006.2	2451.3	444.3	189.2	178.6	233.9	274.3	248.7	210.5	210.5	204.1
70°	2846.7	2223.8	297.6	178.6	176.5	233.9	280.6	233.9	197.7	197.7	189.2
72.5°	2336.5	1777.3	229.6	168.0	161.6	208.3	265.7	221.1	185.0	180.7	165.8
75°	1535.0	1145.9	187.1	159.4	140.3	182.8	240.2	204.1	176.5	163.7	157.3
77.5°	752.6	514.5	157.3	140.3	121.2	159.4	219.0	193.5	165.8	153.1	148.8
80°	206.2	185.0	131.8	123.3	102.0	138.2	206.2	185.0	155.2	142.4	136.1
82.5°	116.9	114.8	106.3	99.9	85.0	138.2	208.3	185.0	146.7	144.6	123.3
85°	63.8	68.0	76.5	74.4	65.9	123.3	197.7	161.6	119.1	99.9	99.9
87.5°	25.5	31.9	38.3	42.5	44.6	91.4	148.8	123.3	91.4	76.5	76.5
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)