

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: STREETWORKS

Report Number: P148100

Luminaire Tested: **AVS-E03-LED-E-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P148100
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33675)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: AVS-E03-LED-E-U-5WQ
Description: VISION SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (63) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9551.4 lumens
Efficiency: N/A
Efficacy: 127.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B4 - U0 - G2

Input Watts (W): 75.2
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



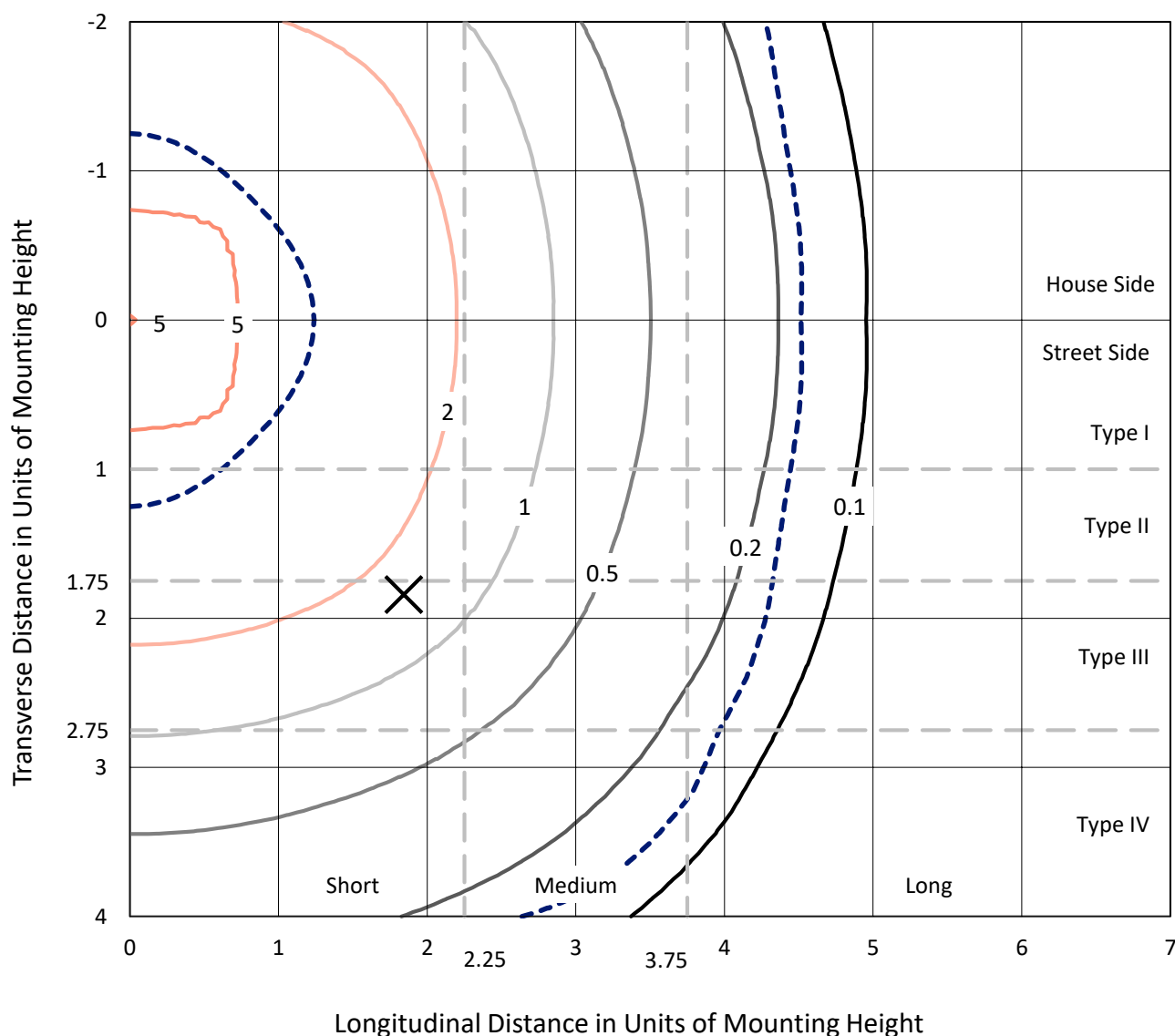
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

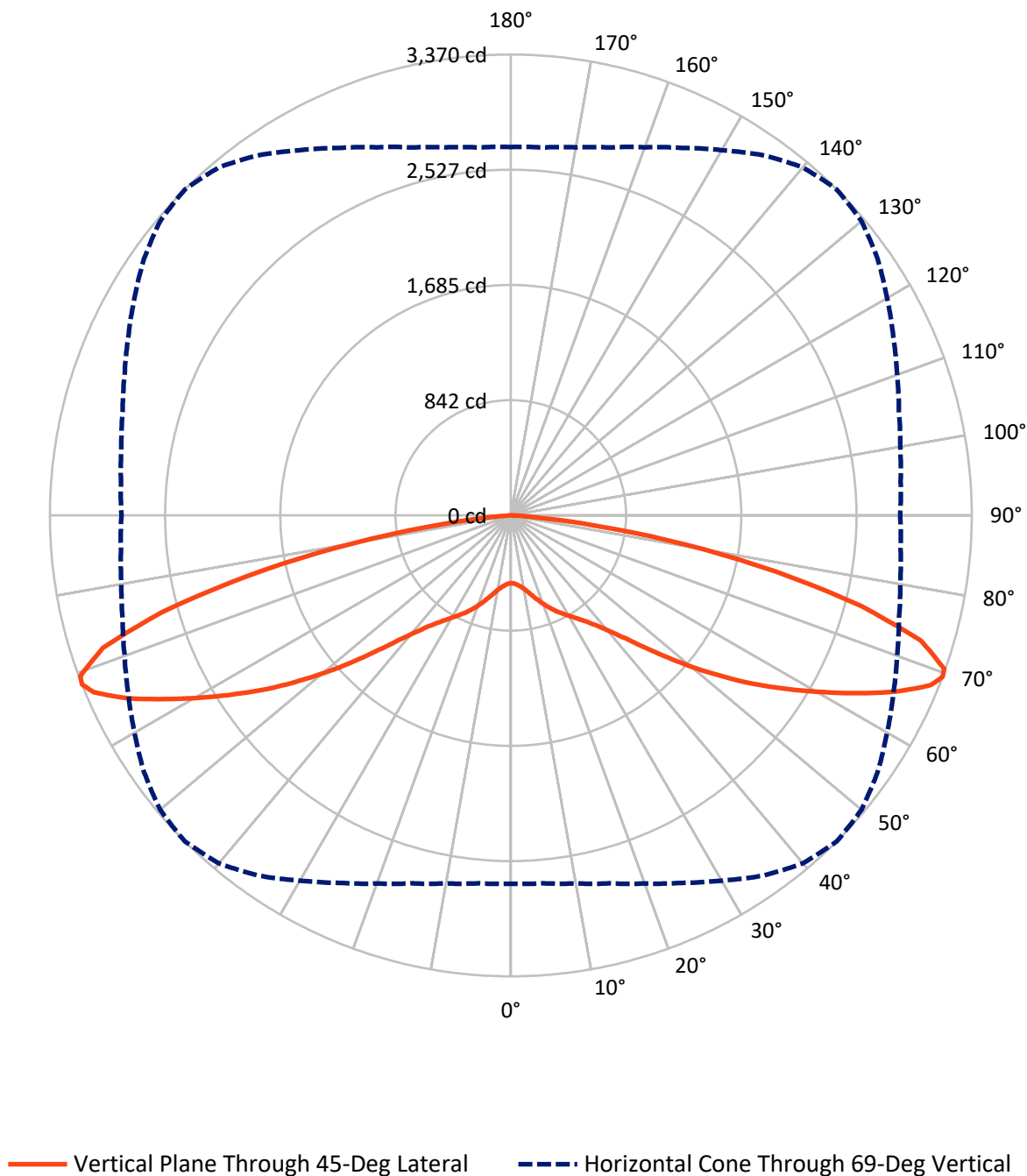


Based on 10 foot mounting height. Maximum calculated value = 5.8 fc
Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4775.7	0.0	4775.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4775.7	0.0	4775.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	9551.4	0.0	9551.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.8	0.5
10°-20°	175.9	1.8
20°-30°	356.1	3.7
30°-40°	597.1	6.3
40°-50°	1053.2	11.0
50°-60°	1857.2	19.4
60°-70°	2835.4	29.7
70°-80°	2369.3	24.8
80°-90°	257.4	2.7
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°	9551.4	100.0
0°-180°	9551.4	100.0

Coefficient of Utilization



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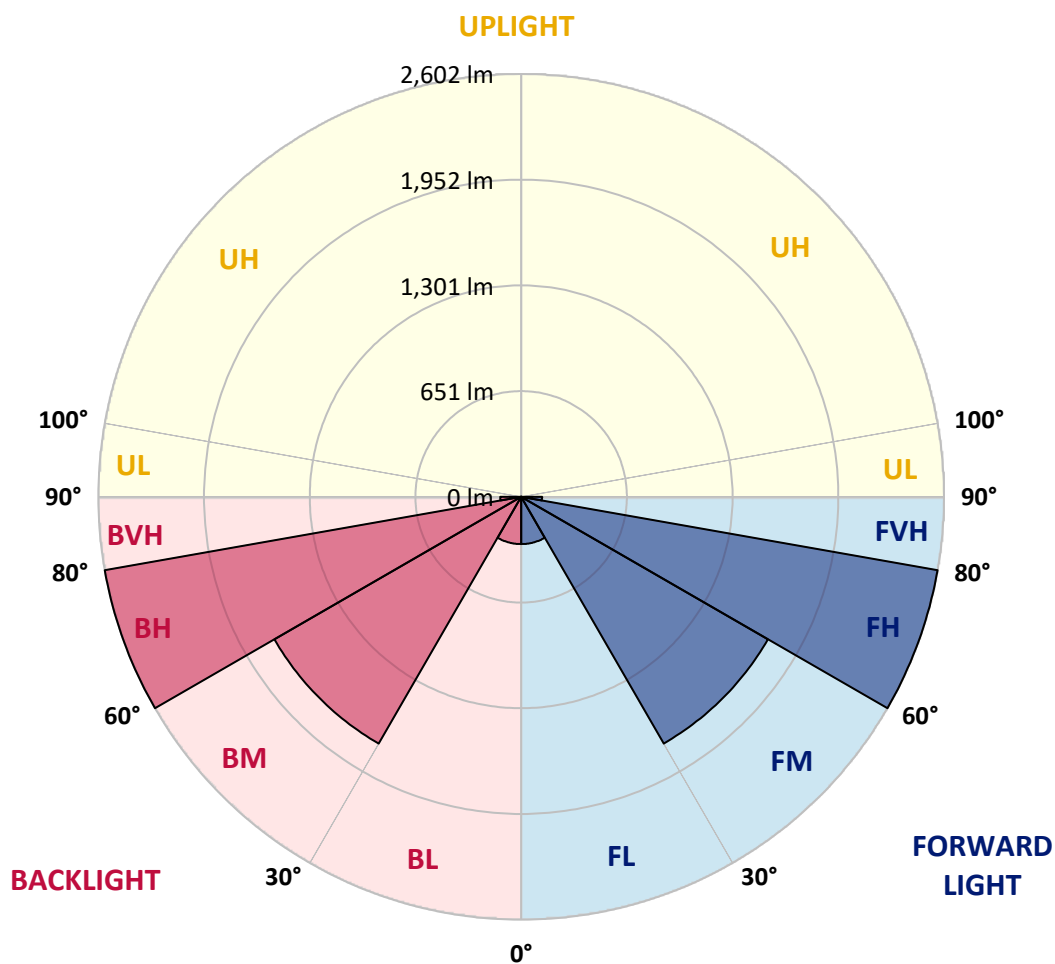
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	290.9	3.0			
FM	(30°-60°)	1753.7	18.4			
FH	(60°-80°)	2602.4	27.2			G2/5000
FVH	(80°-90°)	128.7	1.3			G2/225
BL	(0°-30°)	290.9	3.0	B1/500		
BM	(30°-60°)	1753.7	18.4	B2/2500		
BH	(60°-80°)	2602.4	27.2	B4/5000		G2/5000
BVH	(80°-90°)	128.7	1.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	496.0	496.0	496.0	496.0	496.0	496.0	496.0	496.0	496.0	496.0	496.0
2.5°	500.0	501.0	500.0	500.0	500.0	500.0	500.0	499.0	499.0	499.0	500.0
5°	510.1	511.0	510.1	511.0	511.0	511.0	511.0	510.1	510.1	510.1	510.1
7.5°	526.0	526.0	526.0	527.0	526.0	526.0	527.0	526.0	526.0	526.0	526.0
10°	549.0	548.0	548.0	548.0	548.0	548.0	549.0	549.0	549.0	548.0	548.0
12.5°	577.0	576.0	577.0	577.0	578.0	578.0	578.0	578.0	578.0	578.0	577.0
15°	611.0	611.0	611.0	612.0	614.0	614.0	613.0	614.0	614.0	614.0	614.0
17.5°	649.0	651.0	649.0	649.9	651.0	649.9	652.0	653.0	654.0	653.0	649.9
20°	688.0	689.0	689.0	689.0	689.0	691.0	692.0	692.0	695.0	694.0	693.0
22.5°	725.0	727.0	727.0	728.0	728.0	731.0	731.0	731.0	733.0	735.0	733.0
25°	764.0	763.0	763.0	765.0	766.0	769.9	769.9	772.0	775.0	776.0	774.0
27.5°	799.0	798.0	798.0	801.0	802.0	807.0	807.0	811.0	813.0	814.0	812.0
30°	836.0	836.0	835.0	838.0	841.0	845.0	847.0	851.0	854.0	855.0	853.0
32.5°	880.0	878.0	879.0	881.0	883.0	887.0	889.9	895.0	899.0	900.0	898.0
35°	929.9	927.0	928.0	929.9	933.0	939.0	944.0	947.0	953.0	955.0	951.0
37.5°	985.0	986.0	985.0	990.1	995.0	1002.0	1008.0	1012.0	1018.0	1021.0	1018.0
40°	1063.0	1060.0	1063.0	1068.0	1076.0	1085.0	1097.0	1100.0	1106.0	1112.0	1105.0
42.5°	1164.0	1162.0	1169.0	1173.0	1182.0	1192.0	1207.0	1215.0	1224.0	1228.0	1222.0
45°	1296.0	1296.0	1304.0	1305.0	1319.0	1332.0	1353.0	1363.0	1380.0	1380.0	1380.0
47.5°	1442.0	1448.0	1453.0	1463.0	1473.0	1497.0	1518.0	1540.0	1556.0	1558.0	1555.0
50°	1593.0	1599.0	1614.0	1628.0	1649.9	1680.0	1703.0	1732.0	1746.0	1758.0	1754.0
52.5°	1760.0	1761.0	1779.0	1797.0	1829.0	1862.0	1899.0	1929.0	1954.0	1965.0	1956.0
55°	1943.0	1945.0	1961.0	1980.0	2016.0	2054.0	2100.0	2131.0	2163.0	2183.0	2168.0
57.5°	2141.0	2142.0	2158.0	2181.0	2224.0	2262.0	2306.0	2350.1	2380.0	2398.0	2388.0
60°	2360.0	2365.0	2377.0	2406.0	2447.0	2487.0	2531.0	2569.9	2605.0	2624.0	2614.0
62.5°	2594.0	2599.0	2616.0	2639.0	2675.0	2719.0	2761.0	2811.0	2840.0	2861.0	2846.0
65°	2751.0	2760.0	2787.0	2818.0	2871.0	2928.0	2977.0	3045.0	3080.0	3105.0	3091.0
67.5°	2761.0	2766.0	2799.0	2846.0	2917.0	3003.0	3103.0	3209.0	3278.0	3311.0	3287.0
69°	2693.0	2700.0	2732.0	2785.0	2864.0	2964.0	3083.0	3215.0	3321.0	3369.9	3347.0
70°	2616.0	2631.0	2666.0	2724.0	2801.0	2906.0	3029.0	3169.9	3294.0	3361.0	3344.0
72.5°	2454.0	2458.0	2481.0	2527.0	2586.0	2673.0	2789.0	2922.0	3040.0	3136.0	3150.1
75°	2178.0	2191.0	2208.0	2239.0	2269.0	2332.0	2409.9	2501.0	2569.9	2644.0	2647.0
77.5°	1646.0	1685.0	1698.0	1705.0	1718.0	1768.0	1836.0	1915.0	1972.0	1984.0	1982.0
80°	739.0	791.0	803.0	860.0	895.0	978.0	1082.0	1203.0	1284.0	1293.0	1271.0
82.5°	145.0	155.0	181.0	226.0	308.0	357.0	425.0	510.1	588.0	633.0	606.0
85°	48.0	51.0	59.0	65.0	75.0	85.0	103.0	128.0	159.0	176.0	157.0
87.5°	19.0	19.0	22.0	24.0	26.0	26.0	26.0	24.0	23.0	19.0	17.0
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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CATALOG NUMBER: AVS-E03-LED-E-U-5WQ

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	496.0	496.0	496.0	496.0	496.0	496.0	496.0	496.0
2.5°	499.0	499.0	499.0	499.0	499.0	499.0	499.0	499.0
5°	510.1	509.0	509.0	508.0	508.0	508.0	508.0	508.0
7.5°	525.0	524.0	523.0	524.0	523.0	523.0	523.0	523.0
10°	548.0	546.0	545.0	544.0	544.0	544.0	543.0	543.0
12.5°	575.0	575.0	574.0	573.0	571.0	572.0	571.0	569.0
15°	612.0	609.9	609.0	608.0	606.0	606.0	606.0	605.0
17.5°	649.0	647.0	647.0	644.0	643.0	643.0	643.0	644.0
20°	689.9	687.0	685.0	683.0	681.0	682.0	680.0	682.0
22.5°	731.0	727.0	725.0	722.0	719.0	719.0	718.0	716.0
25°	771.0	766.0	764.0	761.0	757.0	757.0	755.0	753.0
27.5°	809.0	804.0	802.0	796.0	792.0	791.0	789.0	788.0
30°	851.0	845.0	842.0	836.0	829.9	829.0	826.0	826.0
32.5°	895.0	889.0	887.0	878.0	873.0	873.0	871.0	869.0
35°	950.1	941.0	939.0	929.9	923.0	923.0	921.0	922.0
37.5°	1015.0	1008.0	1001.0	994.0	986.0	985.0	983.0	981.0
40°	1102.0	1094.0	1086.0	1076.0	1069.0	1067.0	1064.0	1063.0
42.5°	1218.0	1209.9	1194.0	1186.0	1179.0	1173.0	1172.0	1171.0
45°	1366.0	1356.0	1345.0	1329.9	1321.0	1308.0	1306.0	1301.0
47.5°	1544.0	1525.0	1506.0	1493.0	1479.0	1464.0	1461.0	1453.0
50°	1733.0	1718.0	1686.0	1665.0	1643.0	1628.0	1618.0	1615.0
52.5°	1936.0	1908.0	1876.0	1848.0	1816.0	1796.0	1778.0	1773.0
55°	2148.0	2108.0	2068.0	2035.0	2003.0	1979.0	1962.0	1954.0
57.5°	2360.0	2316.0	2272.0	2236.0	2209.0	2178.0	2161.0	2157.0
60°	2581.0	2539.0	2494.0	2458.0	2425.0	2398.0	2388.0	2369.0
62.5°	2815.0	2771.0	2729.0	2694.0	2652.0	2633.0	2616.0	2605.0
65°	3045.0	2994.0	2941.0	2904.0	2862.0	2835.0	2814.0	2799.0
67.5°	3223.0	3146.0	3075.0	3013.0	2956.0	2914.0	2887.0	2873.0
69°	3273.0	3177.0	3086.0	3005.0	2938.0	2891.0	2861.0	2847.0
70°	3267.0	3161.0	3061.0	2972.0	2899.0	2849.0	2820.0	2794.0
72.5°	3082.0	2985.0	2874.0	2777.0	2711.0	2663.0	2634.0	2620.0
75°	2630.1	2565.0	2485.0	2409.9	2362.0	2334.0	2298.0	2299.0
77.5°	1915.0	1917.0	1863.0	1786.0	1732.0	1722.0	1706.0	1689.9
80°	1188.0	1093.0	1031.0	948.0	887.0	834.0	811.0	761.0
82.5°	548.0	428.0	332.0	251.0	193.0	151.0	132.0	108.0
85°	122.0	93.0	77.0	62.0	53.0	49.0	40.0	37.0
87.5°	17.0	15.0	14.0	13.0	11.0	8.0	6.0	5.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)