

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: P691961

Luminaire Tested: **CRTK2-C01HO-D-U-T2-8027-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691961
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01HO-D-U-T2-8027-U0-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE II OPTIC AND U0 SHIELD WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8725 lumens
Efficiency: N/A
Efficacy: 110.4 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 79
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: 24 FT

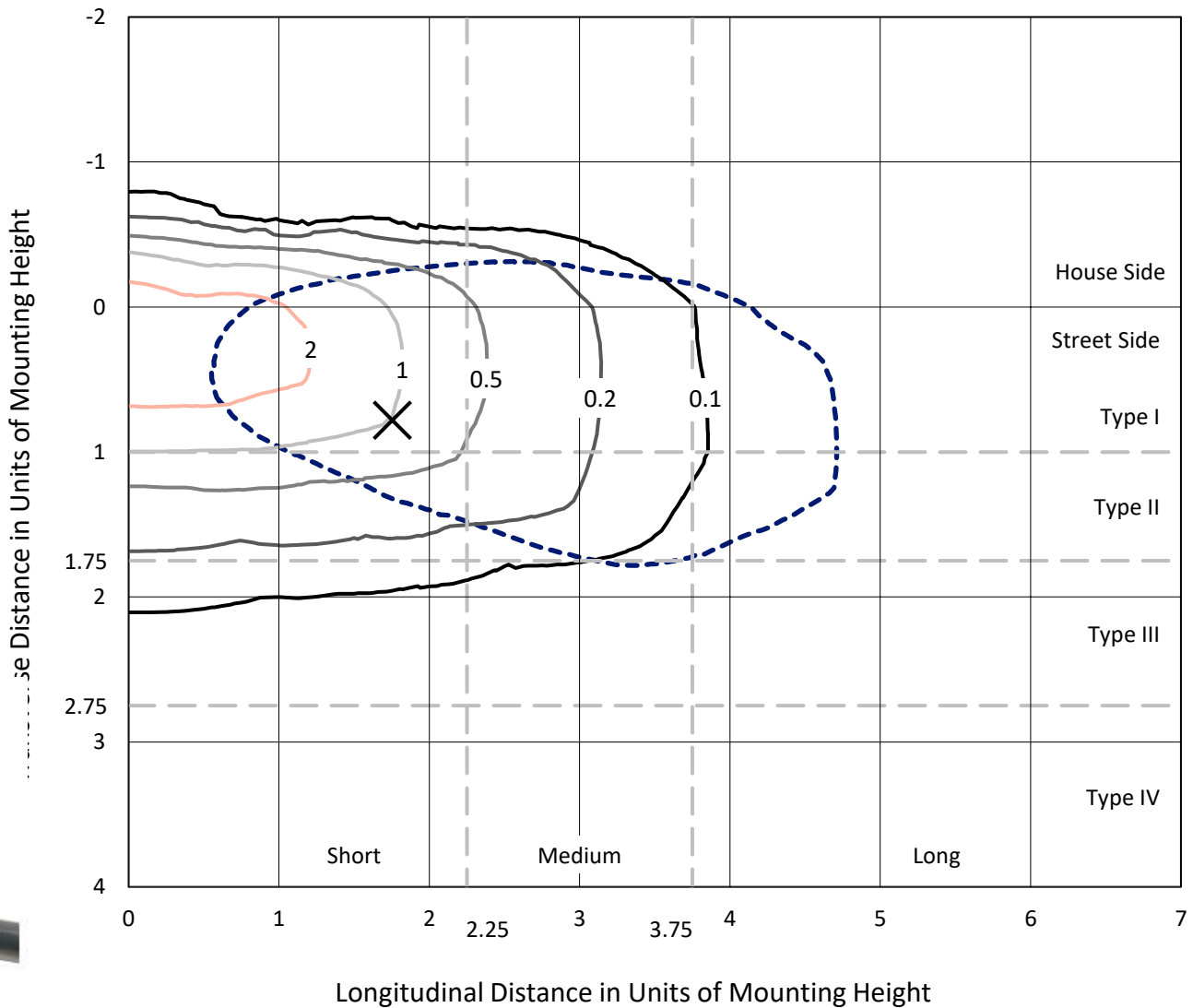


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

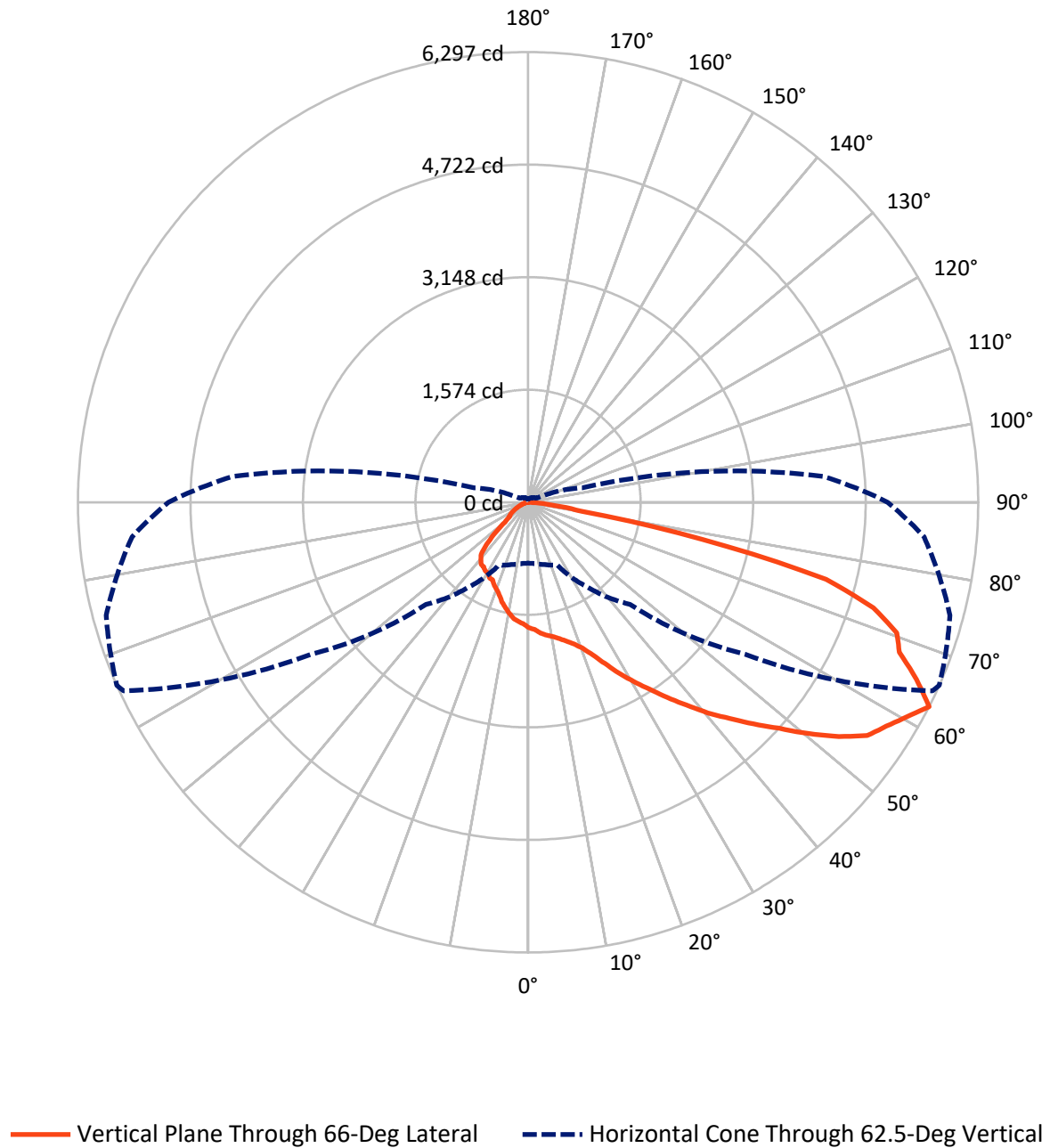


Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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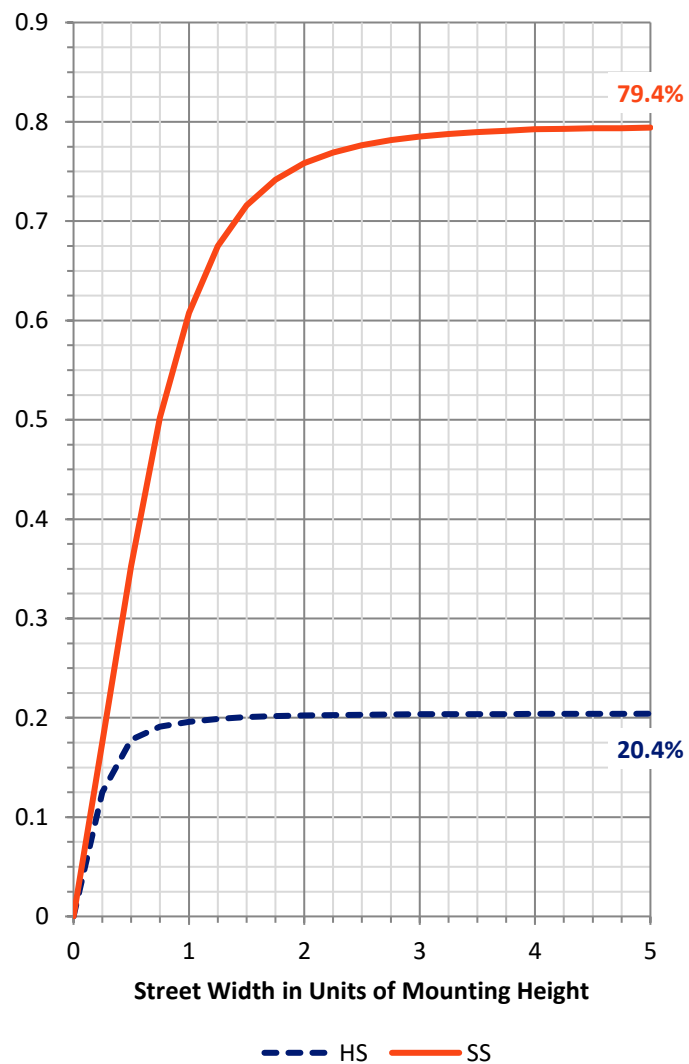
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1802.4	0.0	1802.4
	% Fixture	20.7	0.0	20.7
Street Side	Lumens	6922.6	0.0	6922.6
	% Fixture	79.3	0.0	79.3
Total	Lumens	8725.0	0.0	8725.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.8	1.9
10°-20°	472.2	5.4
20°-30°	774.8	8.9
30°-40°	1140.1	13.1
40°-50°	1503.6	17.2
50°-60°	1750.3	20.1
60°-70°	1739.3	19.9
70°-80°	1075.9	12.3
80°-90°	102.9	1.2
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°	8725.0	100.0
0°-180°	8725.0	100.0

Coefficient of Utilization



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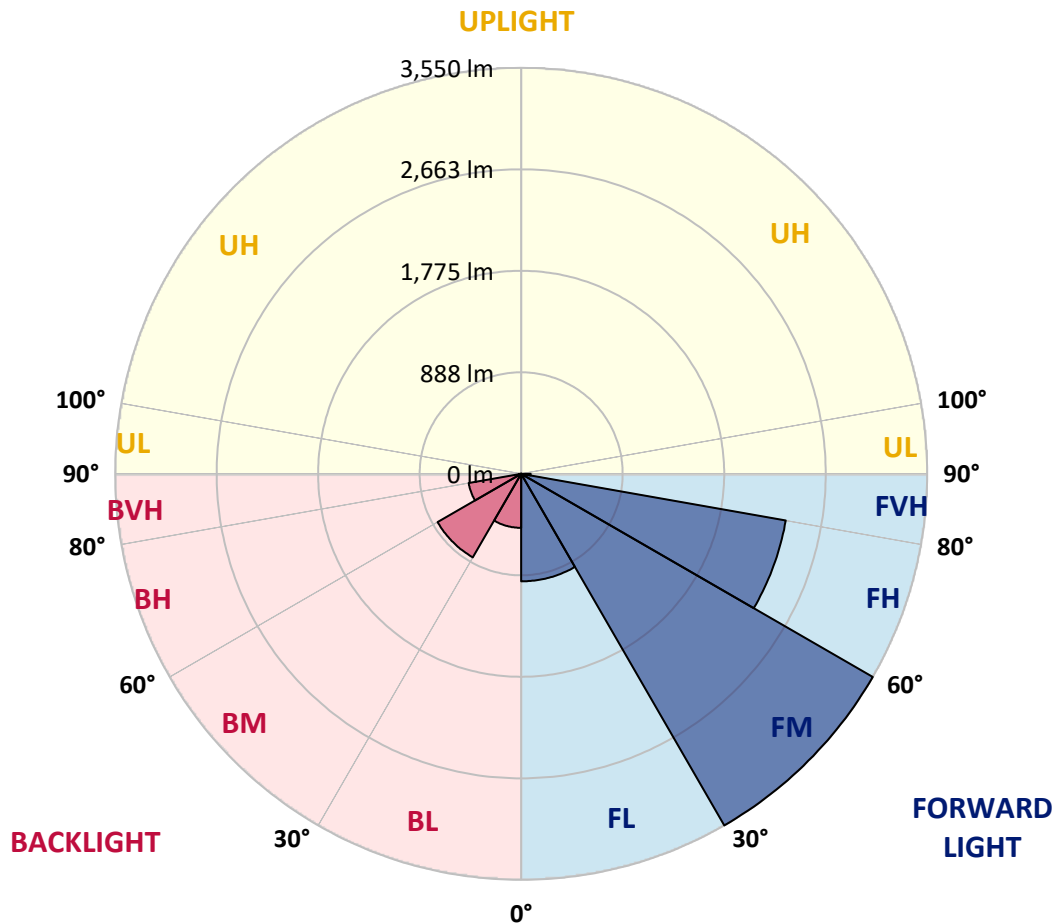
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	940.1	10.8			
FM	(30°-60°)	3550.1	40.7			
FH	(60°-80°)	2349.3	26.9			G2/5000
FVH	(80°-90°)	83.1	1.0			G1/100
BL	(0°-30°)	472.7	5.4	B1/500		
BM	(30°-60°)	844.0	9.7	B1/1000		
BH	(60°-80°)	466.0	5.3	B1/500		G1/500
BVH	(80°-90°)	19.8	0.2			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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1755.8	1755.8	1755.8	1755.8	1755.8	1755.8	1755.8	1755.8	1755.8	1755.8	1755.8
2.5°	1854.4	1854.4	1851.1	1828.1	1818.2	1805.1	1795.2	1785.4	1782.1	1772.2	1755.8
5°	1962.9	1959.6	1959.6	1939.9	1920.2	1893.9	1867.6	1841.3	1838.0	1811.7	1775.5
7.5°	2025.4	2025.4	2018.8	2005.7	1992.5	1976.1	1936.6	1880.7	1877.4	1841.3	1791.9
10°	2041.8	2045.1	2058.3	2025.4	2015.5	1999.1	1979.4	1920.2	1910.3	1857.7	1778.8
12.5°	2101.0	2101.0	2097.7	2068.1	2058.3	2045.1	2012.2	1966.2	1956.3	1890.6	1782.1
15°	2173.3	2176.6	2166.8	2140.5	2127.3	2110.9	2068.1	2018.8	2015.5	1930.0	1808.4
17.5°	2209.5	2209.5	2216.1	2179.9	2183.2	2176.6	2156.9	2087.9	2084.6	2005.7	1854.4
20°	2222.7	2226.0	2229.2	2229.2	2232.5	2226.0	2245.7	2186.5	2176.6	2087.9	1916.9
22.5°	2281.8	2288.4	2304.9	2295.0	2311.4	2321.3	2327.9	2331.2	2318.0	2226.0	2022.1
25°	2308.2	2324.6	2347.6	2383.8	2410.1	2429.8	2479.1	2502.1	2498.9	2419.9	2196.4
27.5°	2268.7	2288.4	2367.3	2429.8	2521.9	2574.5	2666.5	2696.1	2706.0	2633.7	2383.8
30°	2321.3	2327.9	2364.0	2443.0	2558.0	2715.9	2840.8	2906.6	2906.6	2850.7	2567.9
32.5°	2239.1	2258.8	2364.0	2508.7	2686.3	2857.2	2975.6	3117.0	3117.0	3090.7	2830.9
35°	2229.2	2239.1	2301.6	2462.7	2689.6	3001.9	3159.7	3327.4	3350.4	3353.7	3090.7
37.5°	2137.2	2156.9	2268.7	2475.8	2788.2	3090.7	3311.0	3570.7	3597.0	3633.2	3307.7
40°	2035.3	2041.8	2140.5	2357.5	2765.2	3205.8	3455.7	3843.6	3873.2	3922.5	3597.0
42.5°	1884.0	1910.3	2074.7	2311.4	2755.3	3241.9	3616.8	4100.1	4133.0	4202.0	3837.1
45°	1749.2	1759.1	1880.7	2143.8	2646.8	3294.5	3741.7	4402.6	4422.3	4465.1	4037.6
47.5°	1640.7	1647.3	1768.9	1995.8	2544.9	3281.4	3863.4	4675.5	4721.5	4787.3	4274.4
50°	1315.2	1351.4	1653.8	1874.1	2367.3	3258.4	3958.7	5017.4	5086.5	5112.8	4547.3
52.5°	1121.2	1127.8	1285.6	1752.5	2183.2	3159.7	4050.8	5366.0	5444.9	5372.5	4876.1
55°	1039.0	1045.6	1117.9	1509.2	2028.7	2969.0	4119.8	5701.3	5757.2	5579.7	5122.7
57.5°	986.4	999.5	1032.4	1226.4	1844.5	2650.1	4133.0	5885.5	5908.5	5744.1	5247.6
60°	914.1	914.1	979.8	1071.9	1644.0	2308.2	4024.5	5977.5	6089.3	5931.5	5477.8
62.5°	851.6	858.2	900.9	970.0	1446.7	2018.8	3705.5	6240.6	6296.5	6109.0	5560.0
65°	779.2	785.8	825.3	894.3	1315.2	1857.7	3534.6	6135.3	5970.9	6063.0	5661.9
67.5°	697.0	700.3	739.8	802.3	1104.8	1713.0	3123.6	5734.2	5599.4	5846.0	5379.1
70°	614.8	614.8	647.7	697.0	900.9	1502.6	2581.1	5369.2	5471.2	5484.3	5099.6
72.5°	512.9	516.2	549.1	591.8	723.4	1256.0	2041.8	5004.3	5050.3	4876.1	4484.8
75°	368.3	381.4	417.6	460.3	572.1	996.3	1450.0	4067.2	4307.2	4616.3	3853.5
77.5°	55.9	55.9	69.0	105.2	187.4	499.8	670.7	2245.7	2492.3	3863.4	3366.9
80°	46.0	46.0	49.3	69.0	108.5	279.5	217.0	703.6	756.2	1775.5	1897.2
82.5°	23.0	23.0	36.2	49.3	65.8	82.2	92.1	338.7	391.3	605.0	756.2
85°	13.2	13.2	16.4	23.0	26.3	26.3	29.6	161.1	167.7	328.8	341.9
87.5°	3.3	3.3	6.6	6.6	6.6	3.3	3.3	3.3	3.3	3.3	3.3
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°	1755.8	1755.8	1755.8	1755.8	1755.8	1755.8	1755.8	1755.8	1755.8	1755.8	1755.8
2.5°	1749.2	1739.3	1719.6	1703.2	1693.3	1673.6	1657.1	1644.0	1637.4	1653.8	1657.1
5°	1752.5	1729.5	1693.3	1670.3	1644.0	1611.1	1571.6	1548.6	1538.8	1542.1	1551.9
7.5°	1759.1	1726.2	1683.4	1634.1	1565.1	1499.3	1453.3	1427.0	1413.8	1430.3	1430.3
10°	1739.3	1703.2	1644.0	1568.4	1479.6	1413.8	1361.2	1315.2	1298.7	1305.3	1308.6
12.5°	1739.3	1690.0	1591.4	1499.3	1417.1	1308.6	1229.7	1187.0	1170.5	1173.8	1180.4
15°	1749.2	1683.4	1545.3	1433.6	1311.9	1196.8	1127.8	1075.2	1058.7	1042.3	1048.9
17.5°	1782.1	1673.6	1522.3	1344.8	1210.0	1101.5	1006.1	946.9	933.8	933.8	937.1
20°	1815.0	1686.7	1482.9	1279.0	1117.9	983.1	884.5	841.7	812.1	799.0	812.1
22.5°	1884.0	1732.8	1456.6	1236.3	1022.6	894.3	802.3	706.9	654.3	631.3	637.9
25°	2008.9	1815.0	1476.3	1160.7	970.0	812.1	683.9	568.8	496.5	473.5	480.0
27.5°	2202.9	1949.8	1499.3	1154.1	874.6	729.9	555.7	430.7	374.8	351.8	358.4
30°	2393.6	2133.9	1574.9	1088.3	838.4	598.4	420.9	332.1	276.2	253.2	259.7
32.5°	2558.0	2311.4	1670.3	1071.9	743.1	450.5	315.6	246.6	203.9	184.1	187.4
35°	2801.3	2462.7	1752.5	1022.6	631.3	338.7	230.2	177.6	154.5	148.0	148.0
37.5°	3018.4	2640.2	1831.4	1006.1	473.5	253.2	164.4	144.7	141.4	131.5	131.5
40°	3245.2	2827.7	1867.6	946.9	345.2	177.6	134.8	134.8	131.5	121.7	121.7
42.5°	3511.5	3018.4	1900.4	877.9	246.6	134.8	124.9	128.2	124.9	115.1	111.8
45°	3702.3	3136.7	1910.3	703.6	171.0	128.2	118.4	121.7	118.4	111.8	108.5
47.5°	3876.5	3307.7	1867.6	493.2	138.1	121.7	115.1	115.1	115.1	105.2	101.9
50°	4057.4	3449.1	1831.4	266.3	134.8	118.4	108.5	105.2	108.5	101.9	98.6
52.5°	4297.4	3557.6	1736.0	180.8	131.5	115.1	105.2	98.6	101.9	95.4	98.6
55°	4616.3	3843.6	1561.8	171.0	131.5	111.8	101.9	92.1	92.1	88.8	88.8
57.5°	4761.0	3952.1	1282.3	164.4	128.2	111.8	95.4	85.5	78.9	75.6	72.3
60°	4938.5	4110.0	989.7	151.2	118.4	105.2	85.5	75.6	65.8	62.5	62.5
62.5°	5030.6	4146.1	782.5	134.8	108.5	92.1	75.6	62.5	52.6	46.0	46.0
65°	5083.2	4126.4	545.8	121.7	95.4	82.2	65.8	52.6	39.5	36.2	32.9
67.5°	4905.6	4008.0	318.9	105.2	82.2	72.3	55.9	42.7	32.9	29.6	26.3
70°	4550.5	3646.4	200.6	92.1	72.3	62.5	49.3	36.2	26.3	23.0	23.0
72.5°	4169.1	2939.4	138.1	72.3	55.9	49.3	36.2	29.6	23.0	16.4	16.4
75°	3751.6	2551.5	101.9	52.6	39.5	36.2	29.6	23.0	19.7	13.2	13.2
77.5°	2660.0	1690.0	82.2	39.5	26.3	23.0	19.7	16.4	13.2	13.2	9.9
80°	1571.6	825.3	62.5	26.3	19.7	16.4	13.2	13.2	9.9	9.9	9.9
82.5°	588.5	315.6	42.7	19.7	13.2	13.2	9.9	9.9	6.6	6.6	6.6
85°	213.7	78.9	19.7	9.9	9.9	6.6	6.6	6.6	6.6	6.6	6.6
87.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
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)