

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: P691869

Luminaire Tested: **CRTK2-C01H-D-U-T2-8027-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691869
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-C01H-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: 7529 lumens
Efficiency: N/A
Efficacy: 107.3 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 70.2
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: 24 FT



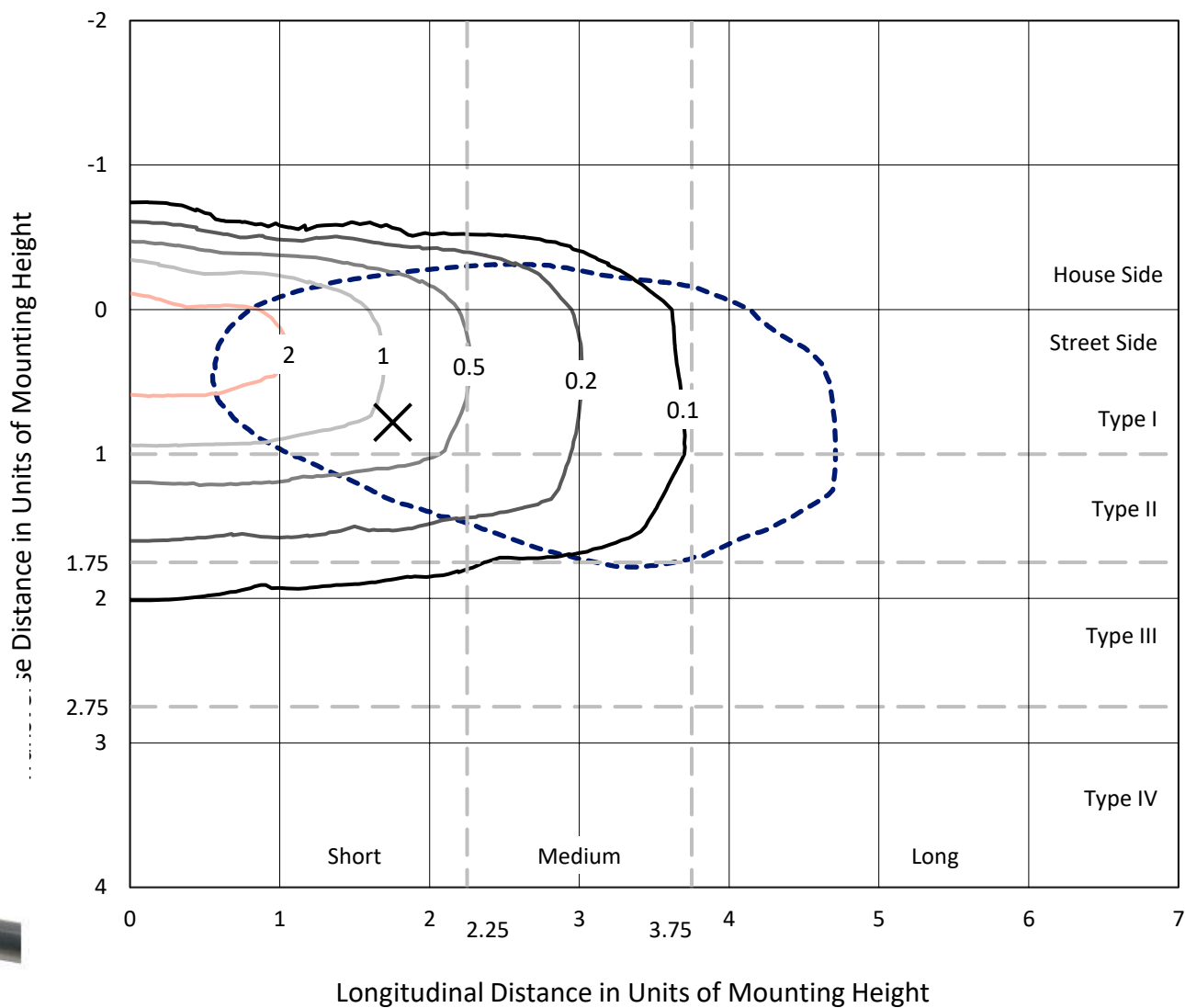
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

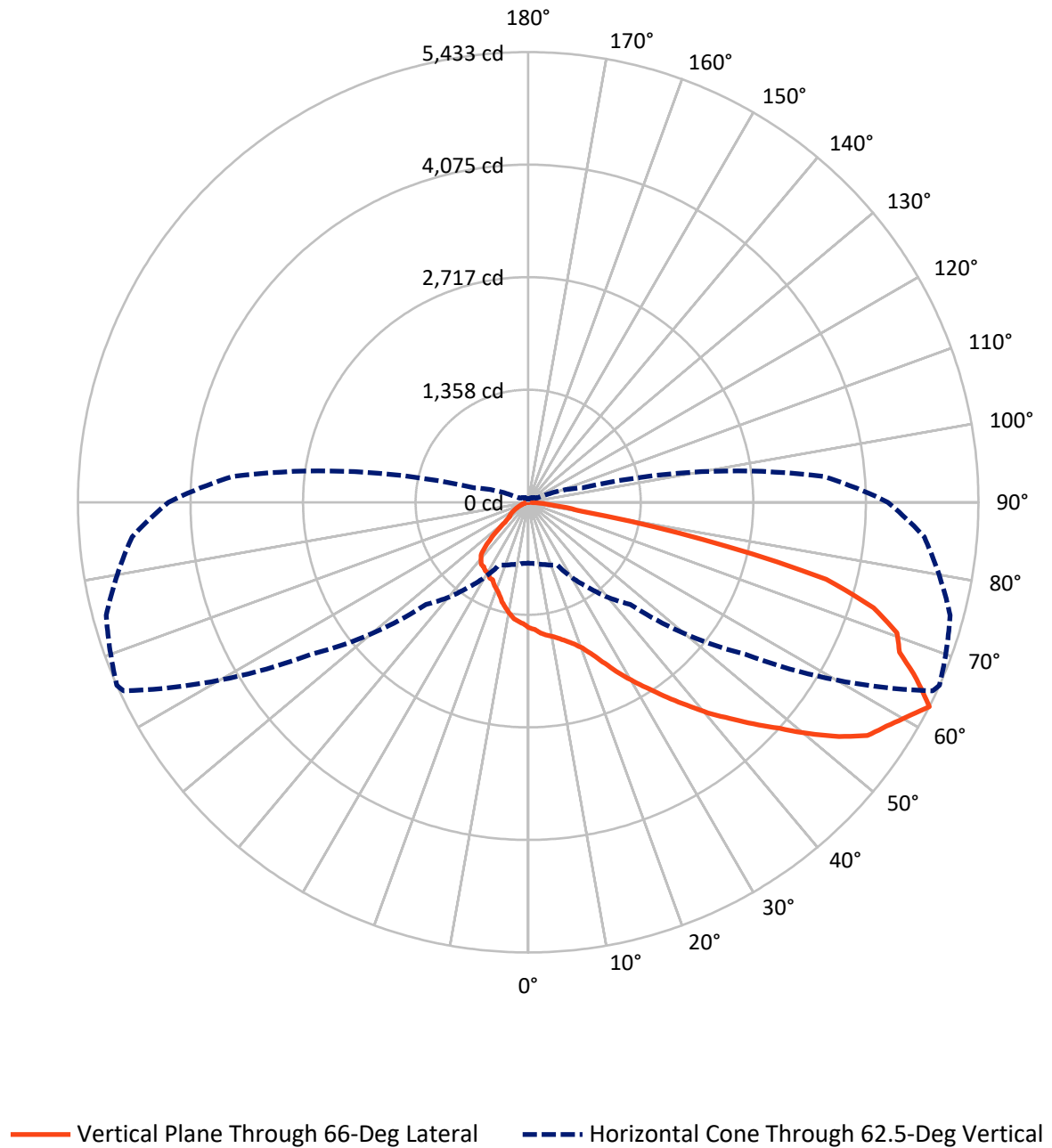


Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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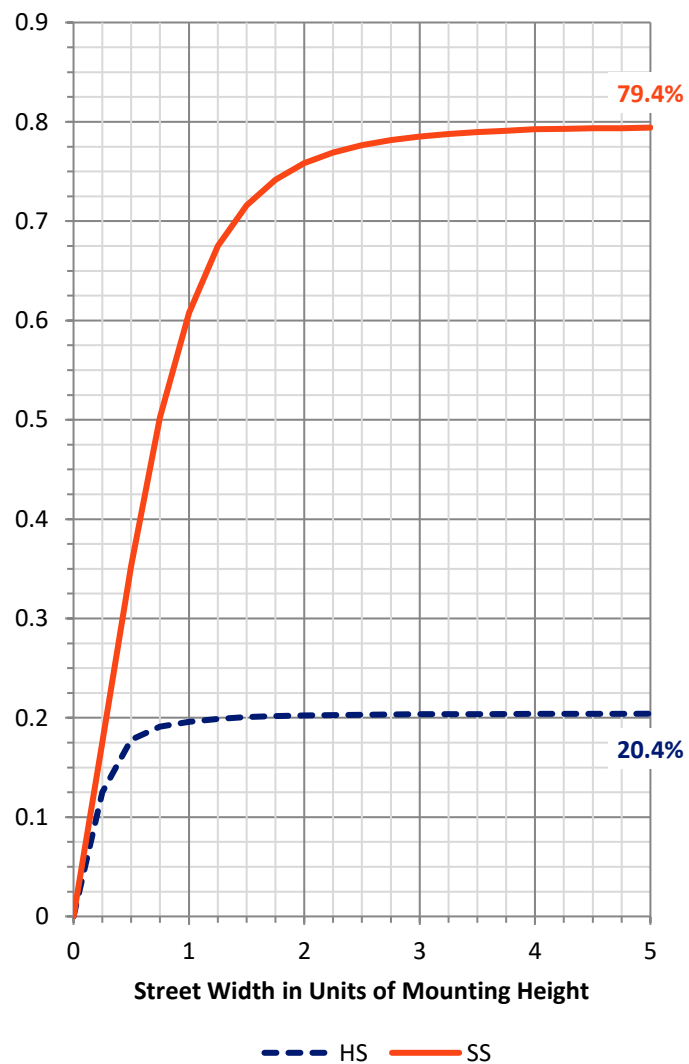
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1555.3	0.0	1555.3
	% Fixture	20.7	0.0	20.7
Street Side	Lumens	5973.7	0.0	5973.7
	% Fixture	79.3	0.0	79.3
Total	Lumens	7529.0	0.0	7529.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.1	1.9
10°-20°	407.5	5.4
20°-30°	668.6	8.9
30°-40°	983.8	13.1
40°-50°	1297.5	17.2
50°-60°	1510.4	20.1
60°-70°	1500.9	19.9
70°-80°	928.4	12.3
80°-90°	88.8	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°	7529.0	100.0
0°-180°	7529.0	100.0

Coefficient of Utilization



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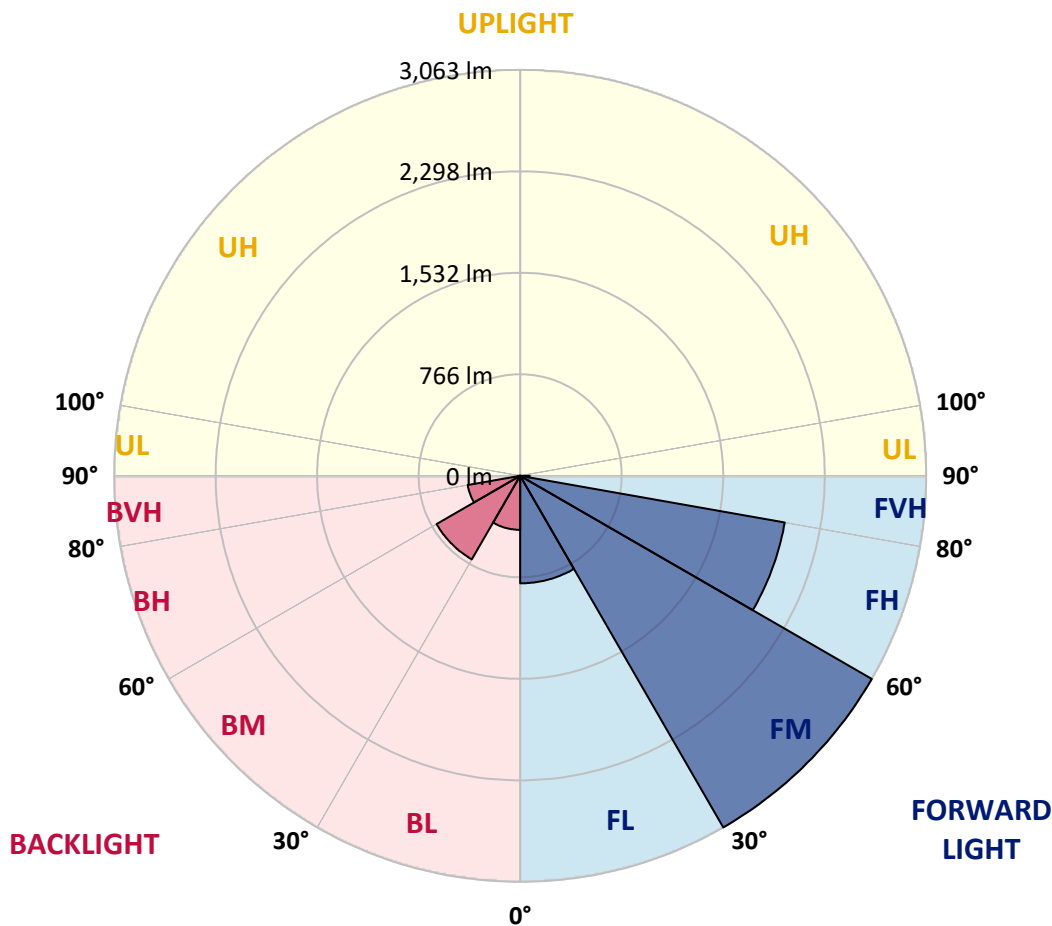
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	811.3	10.8			
FM	(30°-60°)	3063.5	40.7			
FH	(60°-80°)	2027.2	26.9			G2/5000
FVH	(80°-90°)	71.7	1.0			G1/100
BL	(0°-30°)	407.9	5.4	B1/500		
BM	(30°-60°)	728.3	9.7	B1/1000		
BH	(60°-80°)	402.1	5.3	B1/500		G1/500
BVH	(80°-90°)	17.1	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°	1515.1	1515.1	1515.1	1515.1	1515.1	1515.1	1515.1	1515.1	1515.1	1515.1	1515.1
2.5°	1600.2	1600.2	1597.4	1577.5	1569.0	1557.7	1549.1	1540.6	1537.8	1529.3	1515.1
5°	1693.8	1691.0	1691.0	1674.0	1657.0	1634.3	1611.6	1588.9	1586.0	1563.3	1532.1
7.5°	1747.8	1747.8	1742.1	1730.7	1719.4	1705.2	1671.1	1622.9	1620.1	1588.9	1546.3
10°	1761.9	1764.8	1776.1	1747.8	1739.2	1725.1	1708.0	1657.0	1648.4	1603.1	1535.0
12.5°	1813.0	1813.0	1810.2	1784.6	1776.1	1764.8	1736.4	1696.7	1688.2	1631.4	1537.8
15°	1875.4	1878.3	1869.8	1847.1	1835.7	1821.5	1784.6	1742.1	1739.2	1665.5	1560.5
17.5°	1906.6	1906.6	1912.3	1881.1	1883.9	1878.3	1861.2	1801.7	1798.8	1730.7	1600.2
20°	1918.0	1920.8	1923.7	1923.7	1926.5	1920.8	1937.8	1886.8	1878.3	1801.7	1654.1
22.5°	1969.1	1974.7	1988.9	1980.4	1994.6	2003.1	2008.8	2011.6	2000.3	1920.8	1744.9
25°	1991.8	2005.9	2025.8	2057.0	2079.7	2096.7	2139.3	2159.2	2156.3	2088.2	1895.3
27.5°	1957.7	1974.7	2042.8	2096.7	2176.2	2221.6	2301.0	2326.6	2335.1	2272.6	2057.0
30°	2003.1	2008.8	2040.0	2108.1	2207.4	2343.6	2451.4	2508.1	2508.1	2459.9	2215.9
32.5°	1932.2	1949.2	2040.0	2164.8	2318.0	2465.6	2567.7	2689.7	2689.7	2667.0	2442.9
35°	1923.7	1932.2	1986.1	2125.1	2320.9	2590.4	2726.6	2871.3	2891.2	2894.0	2667.0
37.5°	1844.2	1861.2	1957.7	2136.5	2406.0	2667.0	2857.1	3081.3	3104.0	3135.2	2854.3
40°	1756.3	1761.9	1847.1	2034.3	2386.1	2766.3	2982.0	3316.8	3342.3	3384.9	3104.0
42.5°	1625.8	1648.4	1790.3	1994.6	2377.6	2797.5	3121.0	3538.1	3566.4	3626.0	3311.1
45°	1509.4	1517.9	1622.9	1849.9	2284.0	2842.9	3228.8	3799.1	3816.1	3853.0	3484.2
47.5°	1415.8	1421.5	1526.4	1722.2	2196.0	2831.6	3333.8	4034.6	4074.3	4131.1	3688.4
50°	1134.9	1166.1	1427.1	1617.2	2042.8	2811.7	3416.1	4329.7	4389.2	4411.9	3923.9
52.5°	967.5	973.2	1109.4	1512.3	1883.9	2726.6	3495.5	4630.4	4698.5	4636.1	4207.7
55°	896.6	902.2	964.7	1302.3	1750.6	2562.0	3555.1	4919.8	4968.0	4814.8	4420.5
57.5°	851.2	862.5	890.9	1058.3	1591.7	2286.8	3566.4	5078.7	5098.6	4956.7	4528.3
60°	788.8	788.8	845.5	924.9	1418.6	1991.8	3472.8	5158.1	5254.6	5118.4	4726.9
62.5°	734.9	740.5	777.4	837.0	1248.4	1742.1	3197.6	5385.1	5433.4	5271.6	4797.8
65°	672.4	678.1	712.2	771.7	1134.9	1603.1	3050.1	5294.3	5152.5	5231.9	4885.8
67.5°	601.5	604.3	638.4	692.3	953.3	1478.2	2695.4	4948.2	4831.9	5044.6	4641.8
70°	530.6	530.6	558.9	601.5	777.4	1296.6	2227.2	4633.2	4721.2	4732.6	4400.6
72.5°	442.6	445.4	473.8	510.7	624.2	1083.8	1761.9	4318.3	4358.0	4207.7	3870.0
75°	317.8	329.1	360.3	397.2	493.7	859.7	1251.2	3509.7	3716.8	3983.5	3325.3
77.5°	48.2	48.2	59.6	90.8	161.7	431.3	578.8	1937.8	2150.6	3333.8	2905.4
80°	39.7	39.7	42.6	59.6	93.6	241.2	187.3	607.2	652.6	1532.1	1637.1
82.5°	19.9	19.9	31.2	42.6	56.7	70.9	79.4	292.2	337.6	522.1	652.6
85°	11.3	11.3	14.2	19.9	22.7	22.7	25.5	139.0	144.7	283.7	295.1
87.5°	2.8	2.8	5.7	5.7	5.7	2.8	2.8	2.8	2.8	2.8	2.8
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°	1515.1	1515.1	1515.1	1515.1	1515.1	1515.1	1515.1	1515.1	1515.1	1515.1	1515.1
2.5°	1509.4	1500.9	1483.9	1469.7	1461.2	1444.2	1430.0	1418.6	1413.0	1427.1	1430.0
5°	1512.3	1492.4	1461.2	1441.3	1418.6	1390.3	1356.2	1336.3	1327.8	1330.7	1339.2
7.5°	1517.9	1489.6	1452.7	1410.1	1350.5	1293.8	1254.1	1231.4	1220.0	1234.2	1234.2
10°	1500.9	1469.7	1418.6	1353.4	1276.8	1220.0	1174.6	1134.9	1120.7	1126.4	1129.2
12.5°	1500.9	1458.4	1373.2	1293.8	1222.9	1129.2	1061.1	1024.3	1010.1	1012.9	1018.6
15°	1509.4	1452.7	1333.5	1237.0	1132.1	1032.8	973.2	927.8	913.6	899.4	905.1
17.5°	1537.8	1444.2	1313.7	1160.4	1044.1	950.5	868.2	817.1	805.8	805.8	808.6
20°	1566.2	1455.5	1279.6	1103.7	964.7	848.3	763.2	726.3	700.8	689.5	700.8
22.5°	1625.8	1495.2	1256.9	1066.8	882.4	771.7	692.3	610.0	564.6	544.8	550.4
25°	1733.6	1566.2	1273.9	1001.6	837.0	700.8	590.2	490.8	428.4	408.6	414.2
27.5°	1901.0	1682.5	1293.8	995.9	754.7	629.9	479.5	371.7	323.4	303.6	309.3
30°	2065.5	1841.4	1359.0	939.1	723.5	516.4	363.2	286.6	238.3	218.5	224.1
32.5°	2207.4	1994.6	1441.3	924.9	641.2	388.7	272.4	212.8	175.9	158.9	161.7
35°	2417.3	2125.1	1512.3	882.4	544.8	292.2	198.6	153.2	133.4	127.7	127.7
37.5°	2604.6	2278.3	1580.4	868.2	408.6	218.5	141.9	124.8	122.0	113.5	113.5
40°	2800.4	2440.0	1611.6	817.1	297.9	153.2	116.3	116.3	113.5	105.0	105.0
42.5°	3030.2	2604.6	1639.9	757.5	212.8	116.3	107.8	110.7	107.8	99.3	96.5
45°	3194.8	2706.7	1648.4	607.2	147.5	110.7	102.1	105.0	102.1	96.5	93.6
47.5°	3345.1	2854.3	1611.6	425.6	119.2	105.0	99.3	99.3	99.3	90.8	88.0
50°	3501.2	2976.3	1580.4	229.8	116.3	102.1	93.6	90.8	93.6	88.0	85.1
52.5°	3708.3	3069.9	1498.1	156.0	113.5	99.3	90.8	85.1	88.0	82.3	85.1
55°	3983.5	3316.8	1347.7	147.5	113.5	96.5	88.0	79.4	79.4	76.6	76.6
57.5°	4108.4	3410.4	1106.5	141.9	110.7	96.5	82.3	73.8	68.1	65.3	62.4
60°	4261.6	3546.6	854.0	130.5	102.1	90.8	73.8	65.3	56.7	53.9	53.9
62.5°	4341.0	3577.8	675.3	116.3	93.6	79.4	65.3	53.9	45.4	39.7	39.7
65°	4386.4	3560.8	471.0	105.0	82.3	70.9	56.7	45.4	34.0	31.2	28.4
67.5°	4233.2	3458.6	275.2	90.8	70.9	62.4	48.2	36.9	28.4	25.5	22.7
70°	3926.8	3146.5	173.1	79.4	62.4	53.9	42.6	31.2	22.7	19.9	19.9
72.5°	3597.6	2536.5	119.2	62.4	48.2	42.6	31.2	25.5	19.9	14.2	14.2
75°	3237.3	2201.7	88.0	45.4	34.0	31.2	25.5	19.9	17.0	11.3	11.3
77.5°	2295.3	1458.4	70.9	34.0	22.7	19.9	17.0	14.2	11.3	11.3	8.5
80°	1356.2	712.2	53.9	22.7	17.0	14.2	11.3	11.3	8.5	8.5	8.5
82.5°	507.9	272.4	36.9	17.0	11.3	11.3	8.5	8.5	5.7	5.7	5.7
85°	184.4	68.1	17.0	8.5	8.5	5.7	5.7	5.7	5.7	5.7	5.7
87.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
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)