

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: P691985

Luminaire Tested: **CRTK2-C01HO-D-U-T3-7050-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691985
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-12)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01HO-D-U-T3-7050-U0-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE III OPTIC AND U0 SHIELD WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10559 lumens
Efficiency: N/A
Efficacy: 133.7 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

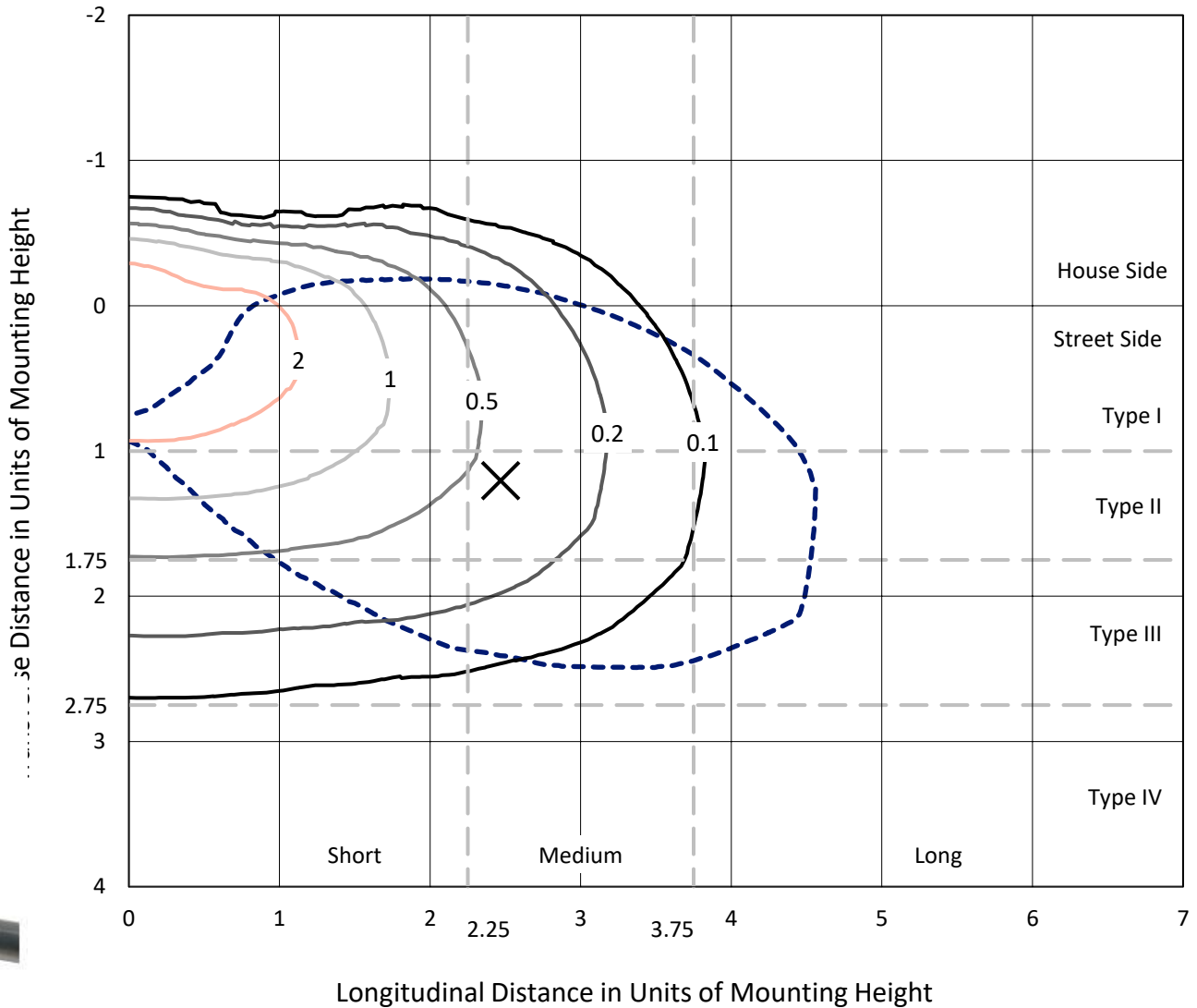
Input Watts (W): 79
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

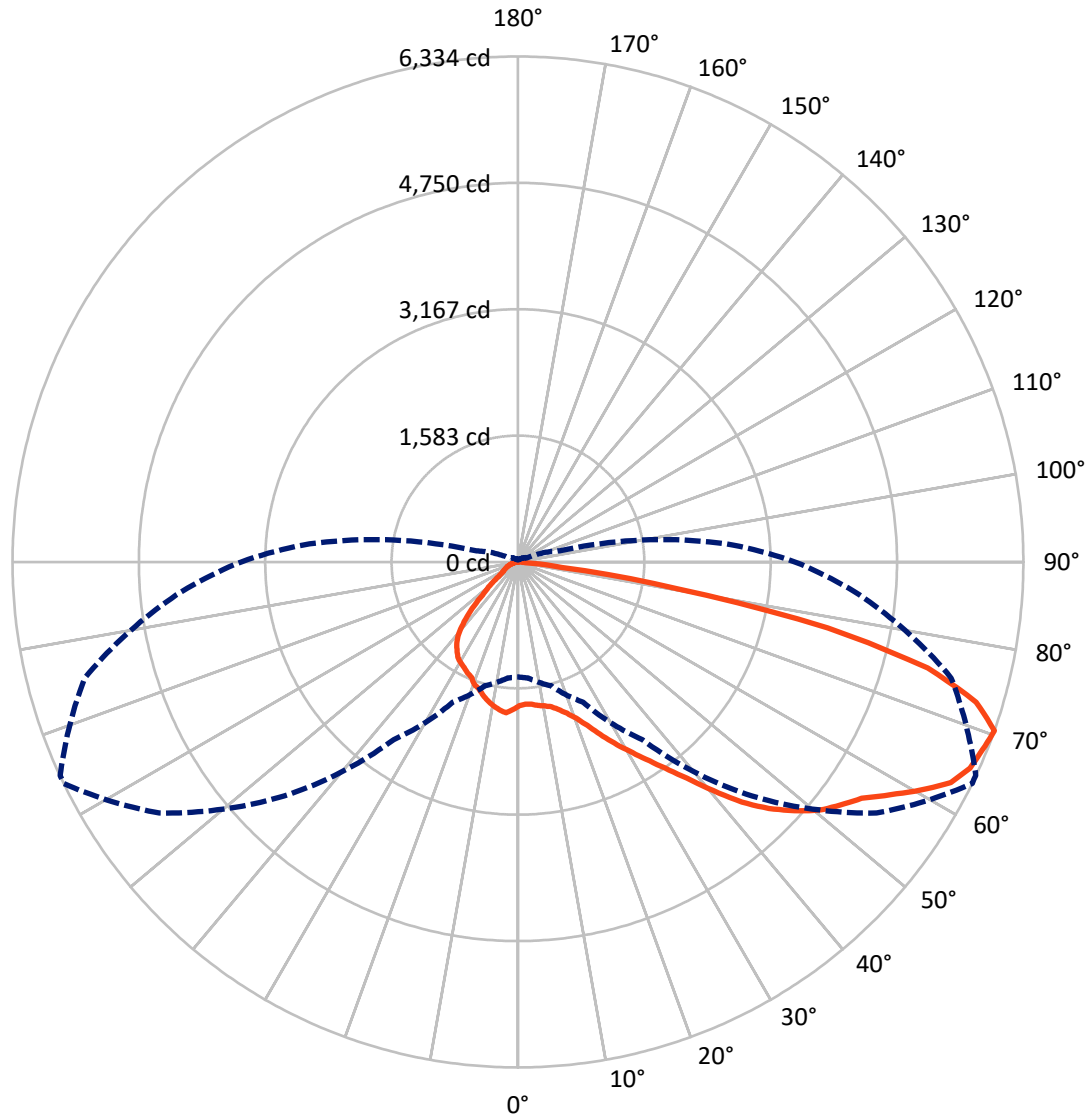
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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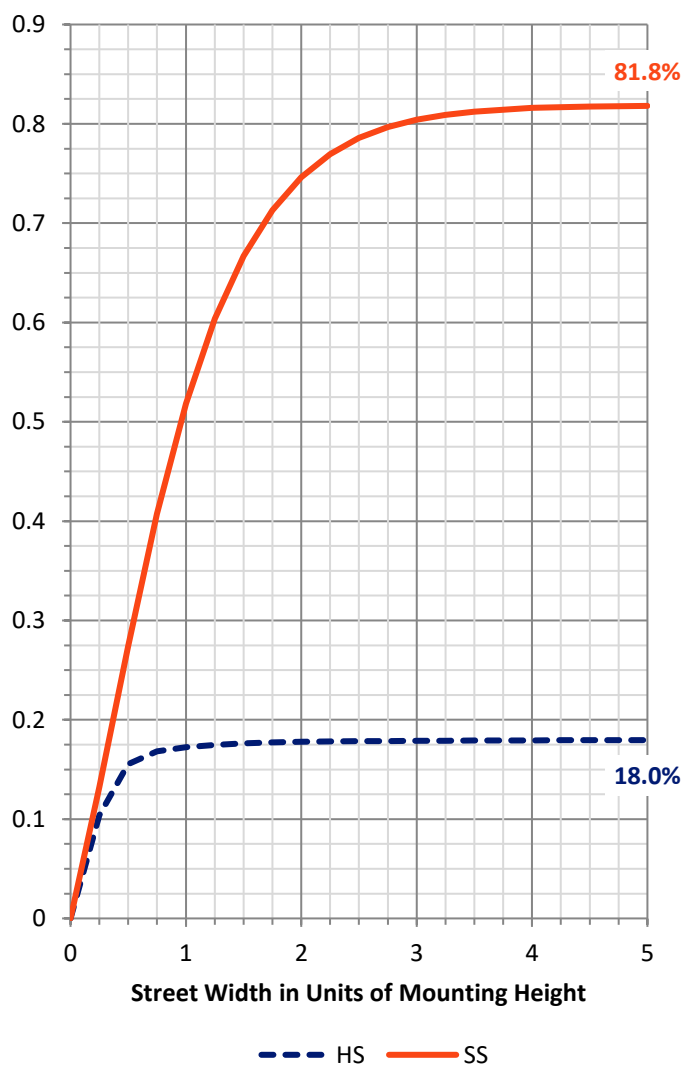
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1919.0	0.0	1919.0
	% Fixture	18.2	0.0	18.2
Street Side	Lumens	8640.0	0.0	8640.0
	% Fixture	81.8	0.0	81.8
Total	Lumens	10559.0	0.0	10559.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.7	1.7
10°-20°	519.8	4.9
20°-30°	875.8	8.3
30°-40°	1288.9	12.2
40°-50°	1767.5	16.7
50°-60°	2150.6	20.4
60°-70°	2283.3	21.6
70°-80°	1399.7	13.3
80°-90°	97.7	0.9
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°	10559.0	100.0
0°-180°	10559.0	100.0

Coefficient of Utilization



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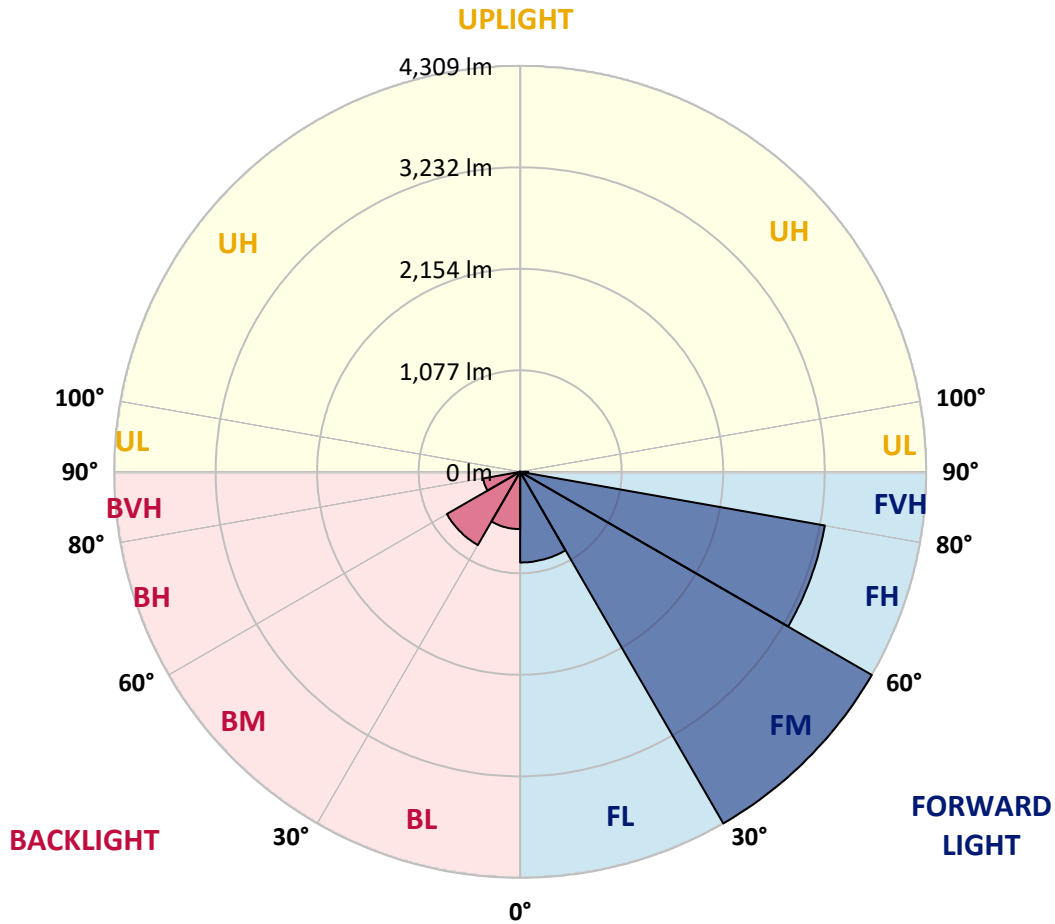
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	962.5	9.1			
FM (30°-60°)	4308.8	40.8			
FH (60°-80°)	3283.5	31.1			G2/5000
FVH (80°-90°)	85.2	0.8			G1/100
BL (0°-30°)	608.8	5.8	B2/1000		
BM (30°-60°)	898.2	8.5	B1/1000		
BH (60°-80°)	399.5	3.8	B1/500		G1/500
BVH (80°-90°)	12.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1803.0	1803.0	1803.0	1803.0	1803.0	1803.0	1803.0	1803.0	1803.0	1803.0	1803.0
2.5°	1783.6	1783.6	1787.5	1783.6	1791.3	1779.7	1783.6	1783.6	1783.6	1787.5	1799.1
5°	1837.8	1837.8	1830.0	1818.4	1806.8	1791.3	1791.3	1791.3	1791.3	1799.1	1826.2
7.5°	1872.6	1868.7	1868.7	1868.7	1857.1	1826.2	1818.4	1814.6	1814.6	1814.6	1841.6
10°	1957.7	1946.1	1930.6	1907.4	1895.8	1868.7	1837.8	1833.9	1833.9	1837.8	1872.6
12.5°	2039.0	2027.4	2027.4	2011.9	1965.5	1934.5	1880.3	1861.0	1861.0	1868.7	1888.1
15°	2174.4	2162.8	2131.8	2104.7	2062.2	2008.0	1953.8	1919.0	1915.2	1930.6	1903.5
17.5°	2271.1	2251.8	2255.6	2213.1	2178.2	2100.9	2046.7	1992.5	1992.5	2008.0	1953.8
20°	2364.0	2364.0	2367.8	2364.0	2305.9	2244.0	2155.0	2089.3	2093.1	2097.0	2011.9
22.5°	2503.2	2499.4	2499.4	2503.2	2464.6	2394.9	2298.2	2224.7	2220.8	2189.9	2085.4
25°	2665.7	2658.0	2642.5	2658.0	2638.7	2557.4	2464.6	2391.0	2379.4	2336.9	2193.7
27.5°	2801.2	2801.2	2801.2	2808.9	2808.9	2750.9	2646.4	2569.0	2576.8	2518.7	2321.4
30°	2897.9	2897.9	2932.7	2948.2	2959.8	2940.4	2828.2	2747.0	2762.5	2692.8	2480.0
32.5°	3002.3	2998.5	3044.9	3079.7	3095.2	3102.9	3010.1	2944.3	2948.2	2886.3	2661.9
35°	3099.1	3091.3	3153.2	3226.7	3265.4	3257.7	3191.9	3168.7	3176.4	3157.1	2909.5
37.5°	3168.7	3180.3	3261.6	3358.3	3420.2	3435.7	3393.1	3435.7	3478.2	3505.3	3230.6
40°	3246.1	3246.1	3323.5	3427.9	3524.7	3582.7	3613.6	3768.4	3803.2	3822.6	3420.2
42.5°	3168.7	3195.8	3358.3	3509.2	3636.9	3725.8	3853.5	4112.7	4151.4	4031.5	3671.7
45°	3102.9	3126.1	3288.6	3544.0	3729.7	3903.8	4136.0	4406.8	4445.5	4240.4	3814.8
47.5°	3037.2	3064.2	3234.5	3516.9	3814.8	4101.1	4364.2	4658.3	4677.6	4422.3	4004.4
50°	2963.7	2990.7	3168.7	3482.1	3865.1	4313.9	4588.6	4890.4	4894.3	4580.9	4101.1
52.5°	2870.8	2905.6	3083.6	3431.8	3907.7	4457.1	4789.8	5060.6	5037.4	4774.3	4217.2
55°	2754.7	2793.4	2990.7	3366.0	3930.9	4549.9	4921.4	5227.0	5211.5	4998.7	4368.1
57.5°	2623.2	2665.7	2870.8	3265.4	3923.2	4596.4	5056.8	5501.7	5509.5	5184.5	4480.3
60°	2472.3	2511.0	2704.4	3133.9	3822.6	4681.5	5347.0	5803.5	5830.6	5389.5	4526.7
62.5°	2275.0	2309.8	2495.5	2940.4	3694.9	4743.4	5567.5	6089.8	6078.2	5528.8	4542.2
65°	2027.4	2066.0	2240.1	2685.1	3493.7	4704.7	5637.1	6225.2	6225.2	5629.4	4530.6
67.5°	1775.9	1810.7	1957.7	2360.1	3168.7	4511.2	5594.6	6279.4	6314.2	5695.2	4426.1
70°	1439.3	1458.6	1605.6	1938.4	2716.0	4147.6	5486.2	6333.5	6329.7	5621.7	4228.8
72.5°	1056.2	1079.4	1199.4	1454.7	2100.9	3590.4	5145.8	6004.7	5942.8	5227.0	3845.8
75°	545.5	568.7	661.6	913.1	1338.7	2534.2	4387.4	5304.4	5292.8	4627.3	3184.2
77.5°	73.5	73.5	85.1	150.9	309.5	1009.8	2874.7	3973.5	3950.2	3528.5	2313.7
80°	50.3	50.3	58.0	69.6	89.0	220.5	1013.7	2015.7	2050.6	1818.4	1036.9
82.5°	38.7	34.8	42.6	50.3	54.2	100.6	309.5	557.1	564.9	506.8	317.3
85°	23.2	23.2	23.2	23.2	19.3	27.1	69.6	92.9	104.5	100.6	81.2
87.5°	11.6	11.6	11.6	7.7	3.9	3.9	3.9	3.9	3.9	3.9	3.9
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°	1803.0	1803.0	1803.0	1803.0	1803.0	1803.0	1803.0	1803.0	1803.0	1803.0	1803.0
2.5°	1803.0	1814.6	1830.0	1849.4	1868.7	1884.2	1899.7	1907.4	1915.2	1919.0	1922.9
5°	1833.9	1849.4	1868.7	1895.8	1895.8	1884.2	1876.5	1876.5	1884.2	1895.8	1899.7
7.5°	1864.9	1880.3	1872.6	1868.7	1872.6	1857.1	1837.8	1826.2	1818.4	1818.4	1826.2
10°	1876.5	1861.0	1853.2	1833.9	1795.2	1787.5	1772.0	1741.0	1733.3	1741.0	1714.0
12.5°	1868.7	1857.1	1818.4	1787.5	1748.8	1683.0	1644.3	1644.3	1625.0	1621.1	1625.0
15°	1888.1	1849.4	1803.0	1737.2	1667.5	1613.4	1551.5	1497.3	1481.8	1485.7	1485.7
17.5°	1903.5	1864.9	1772.0	1671.4	1609.5	1512.8	1443.1	1412.2	1385.1	1381.2	1381.2
20°	1938.4	1884.2	1752.7	1644.3	1489.6	1416.1	1338.7	1300.0	1257.4	1199.4	1180.0
22.5°	1992.5	1919.0	1741.0	1570.8	1435.4	1319.3	1207.1	1091.1	1021.4	975.0	986.6
25°	2066.0	1984.8	1752.7	1543.7	1354.1	1207.1	1060.1	901.5	797.0	766.1	785.4
27.5°	2197.6	2058.3	1787.5	1505.0	1296.1	1075.6	855.0	715.8	619.0	588.1	599.7
30°	2317.5	2170.5	1791.3	1481.8	1203.3	920.8	673.2	518.4	441.1	394.6	383.0
32.5°	2534.2	2290.4	1888.1	1450.9	1106.5	750.6	495.2	344.3	274.7	247.6	239.9
35°	2747.0	2503.2	1915.2	1392.8	928.6	557.1	305.7	205.1	166.4	147.0	143.2
37.5°	3041.0	2762.5	2027.4	1330.9	750.6	340.5	185.7	123.8	116.1	112.2	112.2
40°	3188.1	2897.9	2120.2	1241.9	526.2	193.4	119.9	108.3	104.5	100.6	100.6
42.5°	3397.0	3052.6	2197.6	1083.3	309.5	127.7	108.3	100.6	96.7	92.9	92.9
45°	3513.0	3133.9	2178.2	889.9	154.8	119.9	104.5	96.7	89.0	89.0	89.0
47.5°	3667.8	3253.8	2127.9	657.7	139.3	116.1	100.6	92.9	89.0	92.9	89.0
50°	3814.8	3369.9	1988.7	522.3	135.4	112.2	100.6	89.0	89.0	89.0	89.0
52.5°	3896.1	3478.2	1814.6	383.0	139.3	112.2	96.7	89.0	89.0	85.1	89.0
55°	3973.5	3493.7	1675.3	278.6	139.3	108.3	92.9	85.1	81.2	77.4	77.4
57.5°	4027.6	3458.9	1563.1	232.1	139.3	108.3	89.0	81.2	69.6	65.8	65.8
60°	4012.1	3373.8	1470.2	212.8	131.5	100.6	81.2	69.6	61.9	54.2	54.2
62.5°	3969.6	3323.5	1300.0	185.7	119.9	92.9	73.5	58.0	50.3	46.4	46.4
65°	3930.9	3164.8	1102.7	166.4	112.2	81.2	61.9	50.3	42.6	38.7	38.7
67.5°	3745.2	2955.9	820.2	143.2	100.6	73.5	54.2	46.4	38.7	34.8	31.0
70°	3470.5	2619.3	537.8	123.8	89.0	61.9	46.4	38.7	31.0	27.1	27.1
72.5°	3002.3	2162.8	278.6	100.6	73.5	54.2	42.6	34.8	27.1	23.2	23.2
75°	2437.5	1590.2	166.4	77.4	58.0	46.4	34.8	27.1	23.2	19.3	19.3
77.5°	1686.9	878.3	119.9	58.0	38.7	34.8	27.1	23.2	19.3	15.5	15.5
80°	568.7	239.9	85.1	42.6	27.1	27.1	19.3	15.5	15.5	11.6	11.6
82.5°	224.4	147.0	58.0	31.0	23.2	19.3	15.5	11.6	11.6	11.6	11.6
85°	61.9	42.6	23.2	15.5	11.6	11.6	11.6	7.7	7.7	7.7	7.7
87.5°	3.9	7.7	7.7	7.7	7.7	7.7	3.9	3.9	3.9	3.9	3.9
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)