

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P635037

Luminaire Tested: GWS-SA3C-830-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635037
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-830-U-T3R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8674.7 lumens
Efficiency: N/A
Efficacy: 93.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

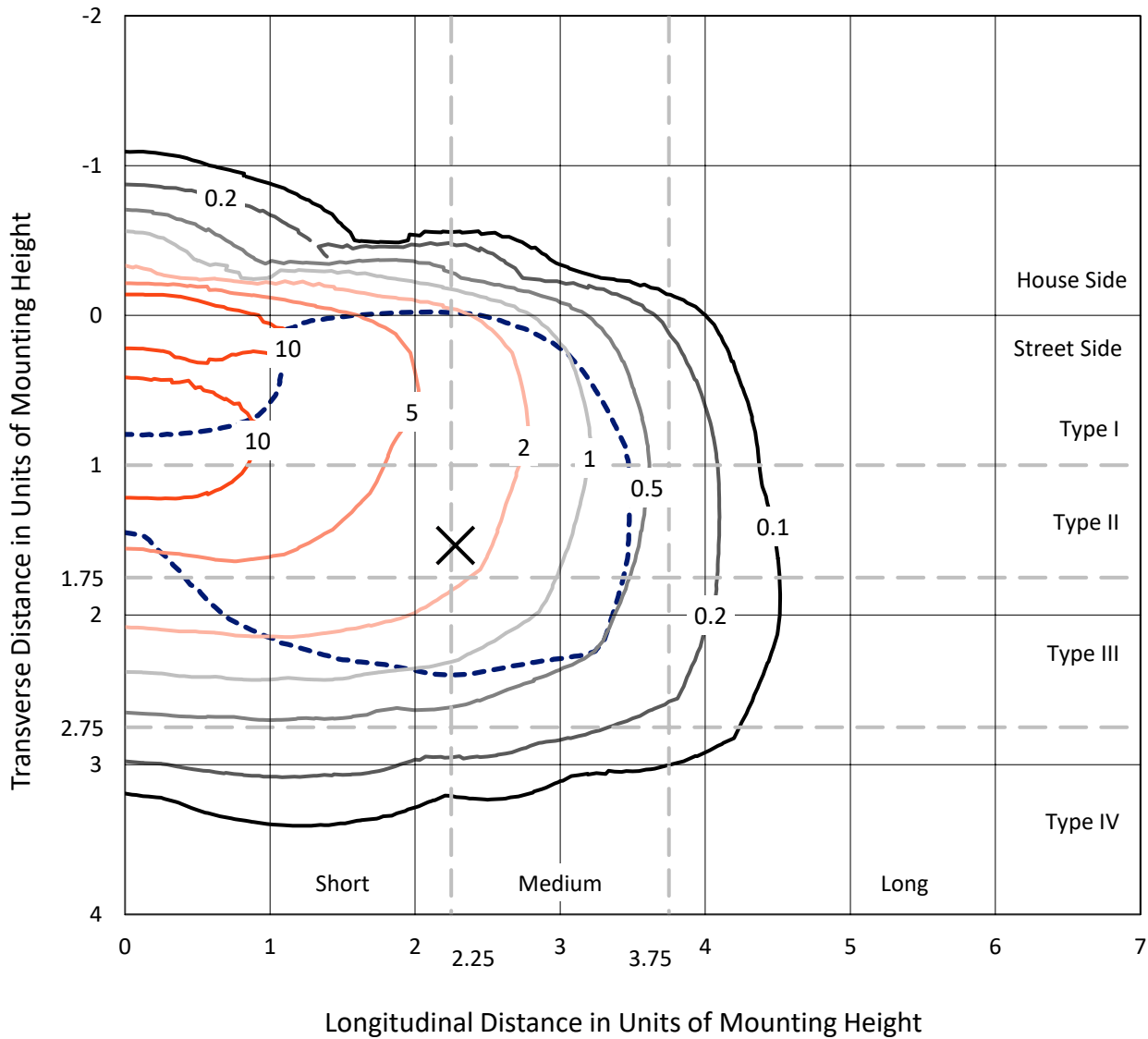
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

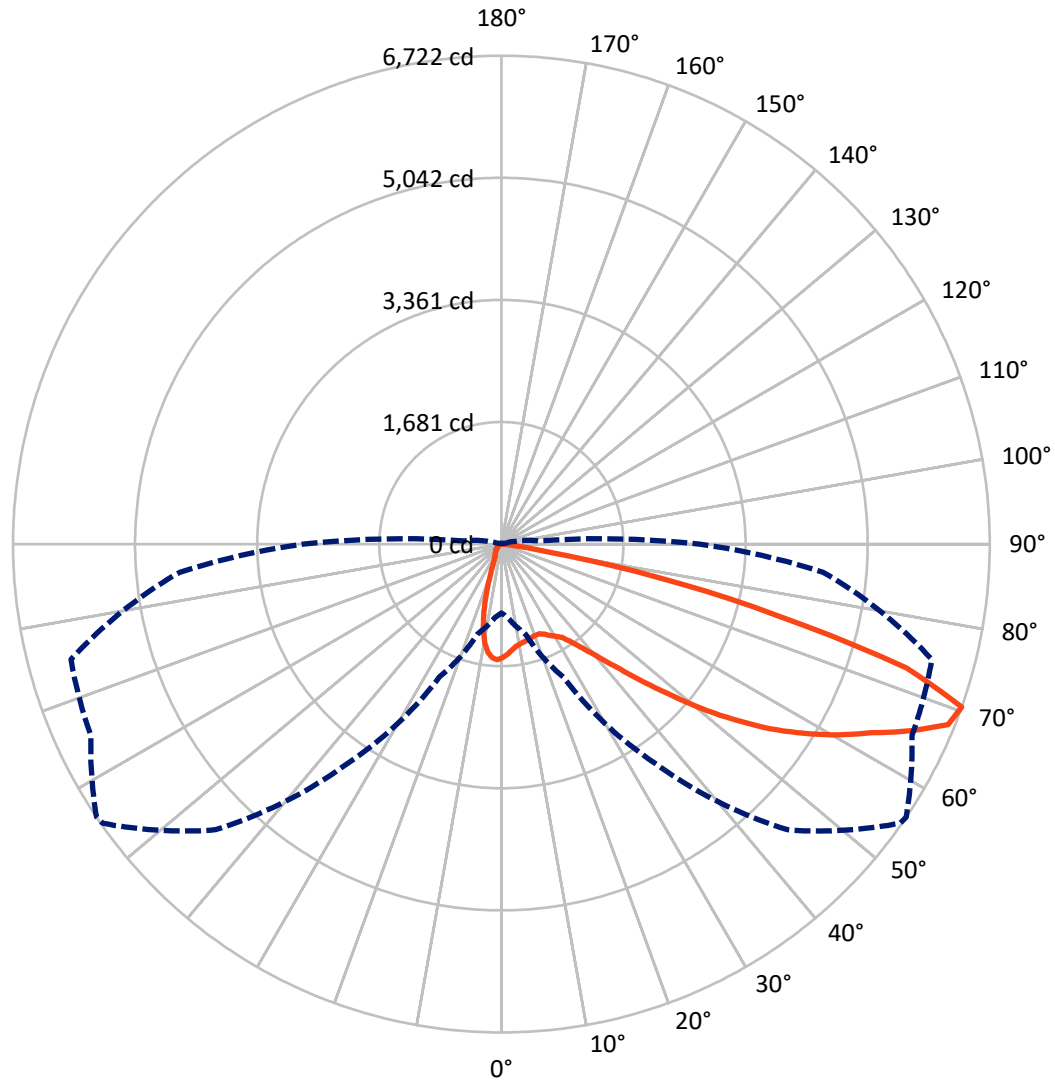
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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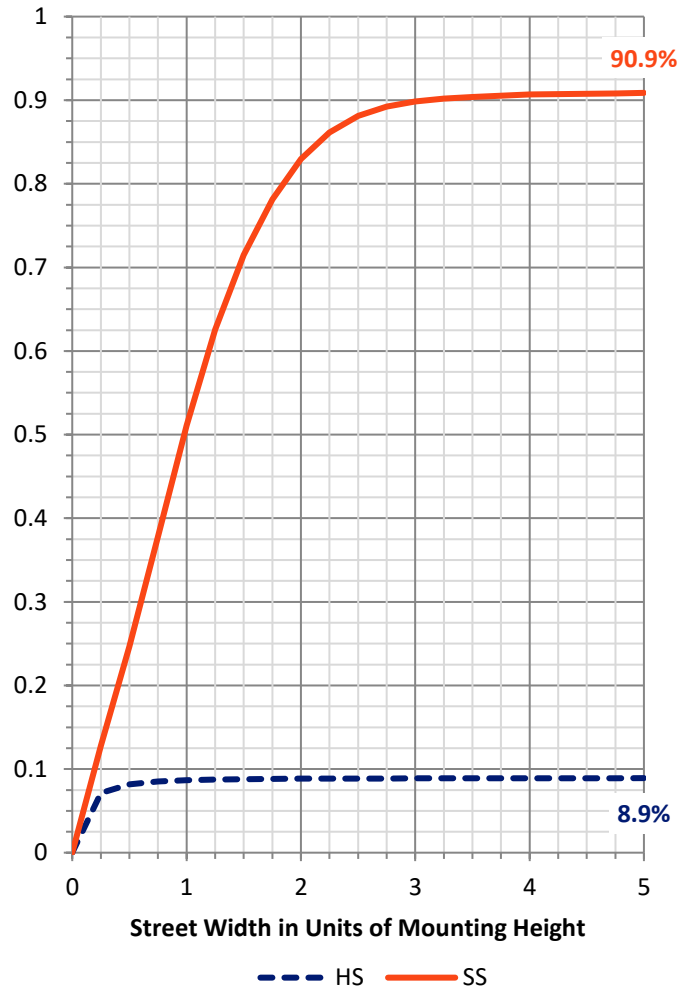
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	779.2	0.0	779.2
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	7895.5	0.0	7895.5
	% Fixture	91.0	0.0	91.0
Total	Lumens	8674.7	0.0	8674.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.3	1.5
10°-20°	302.0	3.5
20°-30°	478.4	5.5
30°-40°	825.1	9.5
40°-50°	1393.3	16.1
50°-60°	2047.1	23.6
60°-70°	2427.0	28.0
70°-80°	1035.0	11.9
80°-90°	32.5	0.4
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°	8674.7	100.0
0°-180°	8674.7	100.0

Coefficient of Utilization



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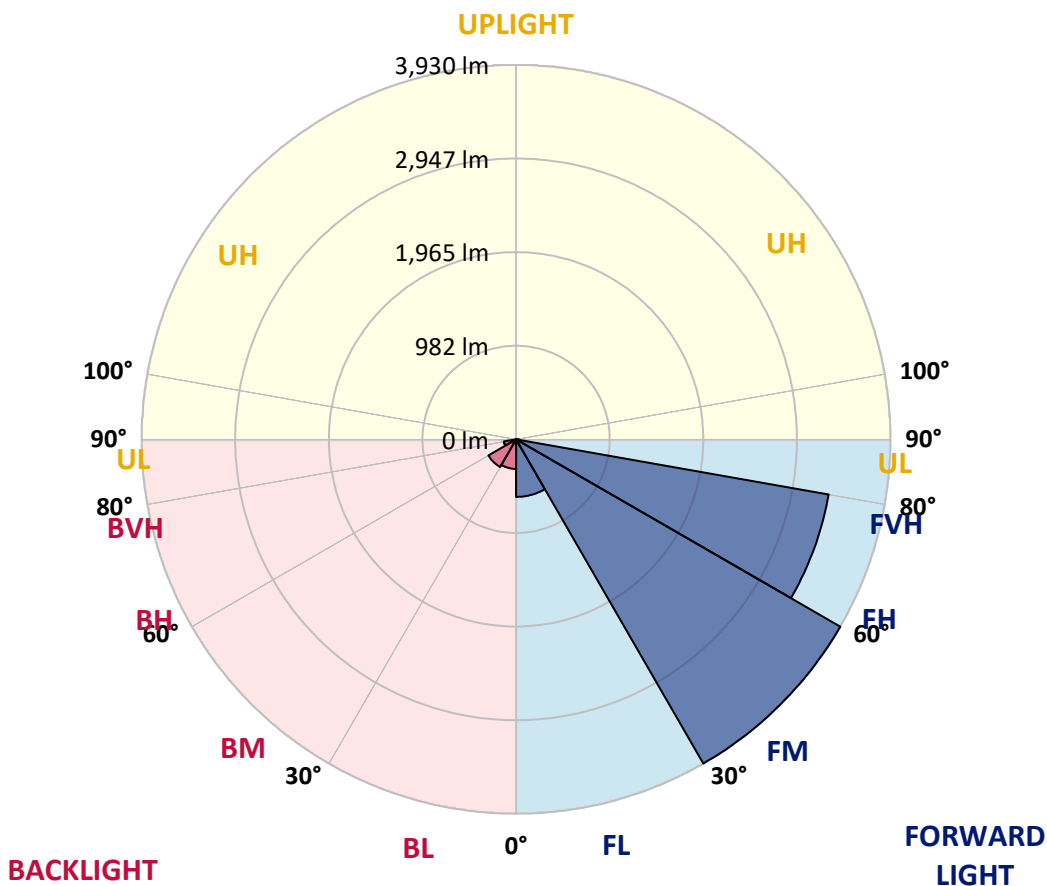
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	604.5	7.0			
FM (30°-60°)	3929.9	45.3			
FH (60°-80°)	3332.0	38.4			G2/5000
FVH (80°-90°)	29.2	0.3			G1/100
BL (0°-30°)	310.3	3.6	B1/500		
BM (30°-60°)	335.6	3.9	B1/1000		
BH (60°-80°)	129.9	1.5	B1/500		G1/500
BVH (80°-90°)	3.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1564.1	1564.1	1564.1	1564.1	1564.1	1564.1	1564.1	1564.1	1564.1	1564.1	1564.1
2.5°	1456.1	1453.7	1455.3	1467.2	1489.5	1499.8	1517.3	1520.4	1534.7	1553.0	1560.2
5°	1361.6	1353.6	1357.6	1374.3	1399.7	1428.3	1460.9	1469.6	1505.4	1545.9	1576.1
7.5°	1275.0	1266.2	1275.8	1302.0	1337.7	1368.7	1417.2	1422.7	1479.9	1551.4	1606.2
10°	1139.1	1141.5	1160.6	1206.7	1261.5	1325.8	1391.0	1398.9	1469.6	1569.7	1654.7
12.5°	1035.1	1029.5	1050.2	1102.6	1179.7	1273.4	1371.1	1381.4	1470.4	1597.5	1716.7
15°	986.6	985.0	993.8	1031.9	1106.6	1217.0	1352.8	1366.3	1480.7	1622.9	1775.4
17.5°	988.2	985.8	985.0	1007.3	1062.9	1174.9	1333.0	1350.4	1489.5	1650.7	1837.4
20°	1057.3	1046.2	1026.3	1016.0	1049.4	1147.9	1319.5	1339.3	1502.2	1680.1	1903.3
22.5°	1201.9	1205.9	1152.6	1097.0	1081.2	1151.1	1317.9	1340.9	1530.0	1726.2	1984.4
25°	1491.1	1484.7	1386.2	1261.5	1174.9	1187.6	1345.7	1373.5	1584.8	1792.1	2060.6
27.5°	1853.3	1858.9	1723.8	1525.2	1344.1	1263.1	1396.5	1424.3	1648.3	1833.4	2111.5
30°	2248.1	2242.5	2098.0	1877.9	1584.0	1388.6	1447.4	1472.0	1680.1	1855.7	2163.9
32.5°	2621.5	2608.7	2465.8	2235.4	1889.8	1586.4	1517.3	1531.6	1722.2	1904.1	2234.6
35°	2940.0	2939.2	2814.5	2569.0	2204.4	1834.2	1637.2	1649.1	1800.9	1981.2	2338.7
37.5°	3268.9	3257.8	3117.9	2893.9	2527.7	2105.9	1820.7	1816.0	1924.8	2094.8	2466.6
40°	3539.0	3531.8	3424.6	3209.3	2863.7	2406.2	2043.1	2028.8	2071.7	2252.1	2644.5
42.5°	3739.2	3739.9	3706.6	3575.5	3219.6	2753.3	2322.8	2300.5	2299.7	2489.6	2879.6
45°	3890.9	3901.2	3951.2	3931.4	3639.9	3157.7	2681.0	2658.0	2619.1	2797.8	3148.9
47.5°	3961.6	3975.1	4126.0	4205.5	4007.7	3558.8	3107.6	3059.2	2982.9	3207.7	3450.0
50°	3954.4	3978.3	4188.8	4430.3	4341.3	3965.5	3572.3	3549.3	3424.6	3641.4	3747.9
52.5°	3792.4	3843.2	4192.7	4566.9	4597.9	4340.5	4052.9	4010.0	3949.7	4094.2	4027.5
55°	3352.3	3414.2	4025.1	4610.6	4798.1	4667.8	4523.2	4488.3	4388.2	4521.6	4271.4
57.5°	3113.2	3166.4	3672.4	4589.1	4968.1	4970.4	4941.8	4913.2	4830.6	4944.2	4557.4
60°	2969.4	3022.6	3484.2	4510.5	5122.2	5289.8	5335.1	5331.9	5212.7	5424.8	4892.6
62.5°	2758.9	2832.0	3287.9	4306.3	5231.8	5604.4	5741.0	5719.5	5586.9	5925.3	5224.6
65°	2333.9	2397.4	2886.0	3969.5	5167.4	5864.9	6181.1	6192.2	6038.9	6396.4	5486.8
67.5°	1636.4	1683.3	2168.7	3262.5	4730.5	5950.7	6631.5	6630.7	6369.3	6637.8	5370.8
70°	948.5	1012.8	1281.3	2016.9	3680.4	5560.7	6699.0	6722.0	6235.1	6133.4	4444.6
72.5°	367.0	420.2	726.1	1071.6	1919.2	4259.5	5762.4	5830.0	5218.3	4731.3	3093.3
75°	109.6	122.3	341.6	570.4	770.5	2057.4	3901.2	3920.3	3579.5	2951.1	1585.6
77.5°	81.8	90.6	149.3	288.4	270.1	623.6	2018.5	2204.4	1900.2	1054.1	436.9
80°	55.6	65.9	106.4	140.6	100.1	166.0	567.2	622.8	579.9	236.7	109.6
82.5°	24.6	31.8	75.5	70.7	36.5	47.7	174.8	185.9	120.0	71.5	38.1
85°	2.4	3.2	28.6	31.0	13.5	11.1	36.5	36.5	26.2	24.6	15.9
87.5°	0.0	0.0	0.8	1.6	1.6	2.4	3.2	4.0	4.8	6.4	7.9
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°	1564.1	1564.1	1564.1	1564.1	1564.1	1564.1	1564.1	1564.1	1564.1	1564.1	1564.1
2.5°	1578.4	1568.9	1580.8	1590.4	1592.7	1575.3	1564.9	1549.8	1546.7	1547.5	1543.5
5°	1599.9	1595.1	1603.9	1593.5	1566.5	1515.7	1472.0	1423.5	1397.3	1382.2	1380.6
7.5°	1639.6	1637.2	1627.7	1580.8	1496.6	1383.8	1275.0	1168.5	1102.6	1078.8	1074.8
10°	1698.4	1693.6	1654.7	1543.5	1364.0	1147.1	964.4	811.9	718.9	691.9	658.5
12.5°	1765.9	1756.4	1671.4	1463.2	1163.8	863.5	635.5	464.7	384.5	360.6	360.6
15°	1831.0	1810.4	1661.8	1330.6	917.5	561.6	355.1	268.5	243.9	237.5	237.5
17.5°	1897.8	1858.1	1624.5	1149.5	633.9	332.1	236.7	220.0	216.9	217.7	218.5
20°	1960.5	1898.6	1558.6	931.8	404.3	232.0	212.1	208.1	206.5	208.1	207.3
22.5°	2028.8	1935.9	1458.5	694.3	262.9	208.9	201.8	198.6	197.0	199.4	199.4
25°	2096.4	1962.9	1325.8	467.1	208.9	194.6	190.7	187.5	185.9	186.7	186.7
27.5°	2131.3	1952.6	1151.9	297.9	187.5	180.3	176.4	172.4	170.0	169.2	170.0
30°	2155.2	1920.8	939.0	212.1	170.0	161.3	157.3	154.1	147.8	143.8	145.4
32.5°	2192.5	1889.0	707.8	177.9	155.7	142.2	135.8	127.9	119.2	115.2	115.2
35°	2237.0	1845.3	496.5	160.5	140.6	126.3	114.4	100.9	90.6	87.4	87.4
37.5°	2295.8	1804.0	330.5	148.5	127.9	112.8	96.1	80.2	69.1	67.5	66.7
40°	2383.9	1769.1	232.8	139.8	116.8	98.5	78.6	62.0	54.0	51.6	51.6
42.5°	2498.3	1733.3	184.3	131.1	107.2	85.0	62.8	49.3	42.9	41.3	40.5
45°	2639.7	1691.2	160.5	123.1	97.7	70.7	50.0	41.3	36.5	35.0	35.0
47.5°	2793.0	1634.0	149.3	112.8	86.6	57.2	42.1	35.7	33.4	32.6	31.8
50°	2944.0	1557.0	139.8	103.3	73.9	46.9	36.5	32.6	31.0	30.2	30.2
52.5°	3075.8	1467.2	127.9	92.1	60.4	40.5	32.6	30.2	28.6	27.0	26.2
55°	3188.6	1369.5	112.8	79.4	49.3	35.7	30.2	27.8	26.2	24.6	23.8
57.5°	3334.0	1313.9	90.6	64.3	40.5	31.8	27.8	25.4	23.8	21.4	21.4
60°	3495.3	1273.4	67.5	50.8	35.0	29.4	25.4	23.0	21.4	19.1	19.1
62.5°	3624.8	1213.0	53.2	41.3	30.2	26.2	23.0	20.7	19.1	16.7	16.7
65°	3674.0	1088.3	43.7	32.6	24.6	23.0	20.7	19.1	16.7	14.3	14.3
67.5°	3451.6	838.9	36.5	26.2	20.7	19.9	18.3	17.5	14.3	12.7	11.9
70°	2733.5	511.6	30.2	21.4	17.5	16.7	16.7	15.1	12.7	11.9	11.1
72.5°	1873.1	263.7	24.6	17.5	15.1	15.1	14.3	13.5	11.9	11.1	11.1
75°	973.1	88.2	19.1	13.5	11.9	12.7	12.7	11.9	11.1	11.1	10.3
77.5°	278.8	39.7	14.3	10.3	9.5	9.5	10.3	10.3	10.3	9.5	9.5
80°	72.3	23.0	10.3	7.9	7.9	7.9	7.9	8.7	9.5	8.7	8.7
82.5°	29.4	12.7	7.1	6.4	6.4	6.4	6.4	7.1	7.9	7.9	7.9
85°	18.3	6.4	5.6	5.6	5.6	4.8	4.8	5.6	5.6	6.4	6.4
87.5°	11.1	4.8	4.8	4.8	4.8	4.0	4.0	4.0	4.0	4.0	4.0
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)