

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: P635858

Luminaire Tested: GWS-SA3E-750-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635858
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-750-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16515 lumens
Efficiency: N/A
Efficacy: 103.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

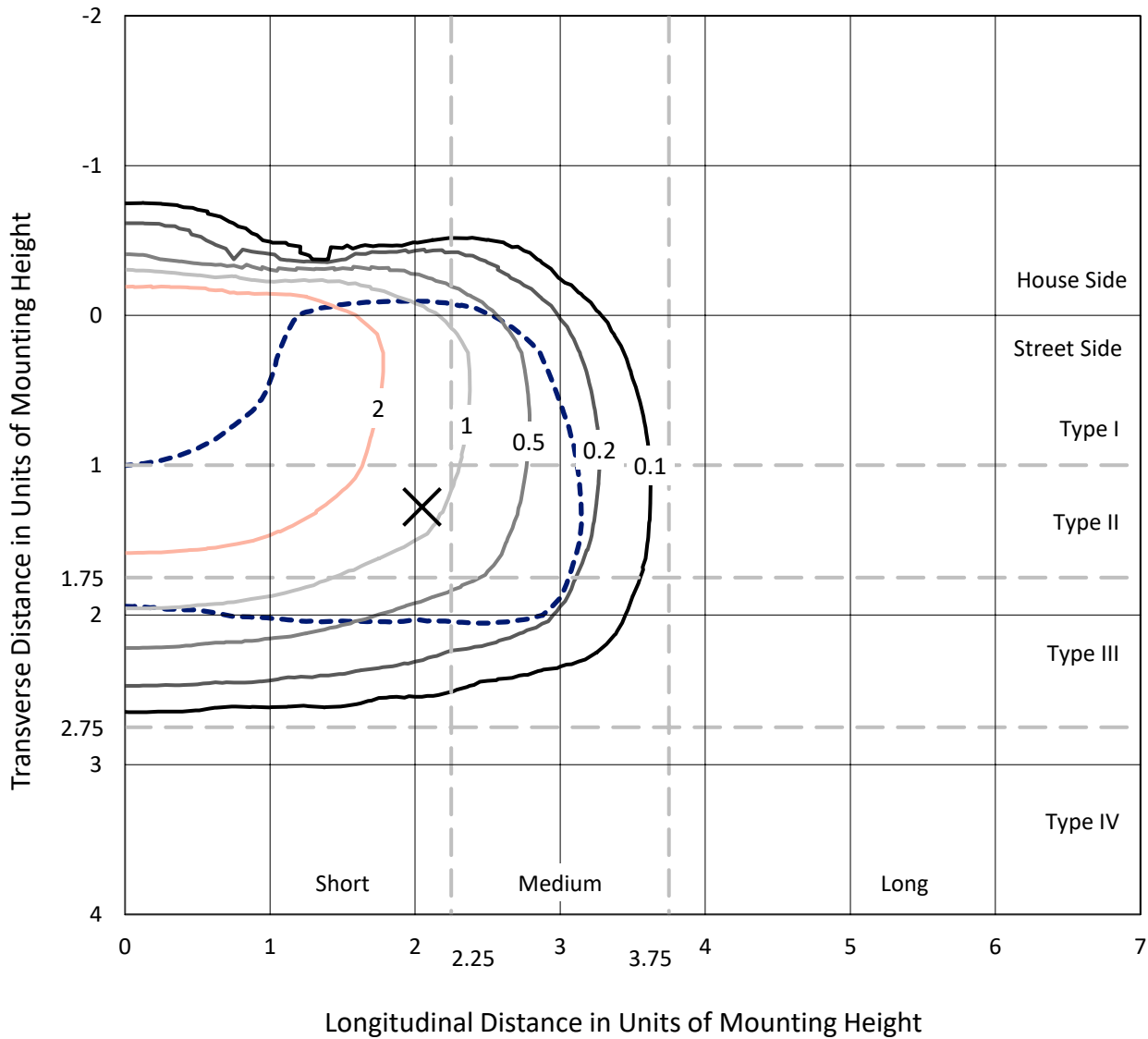
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

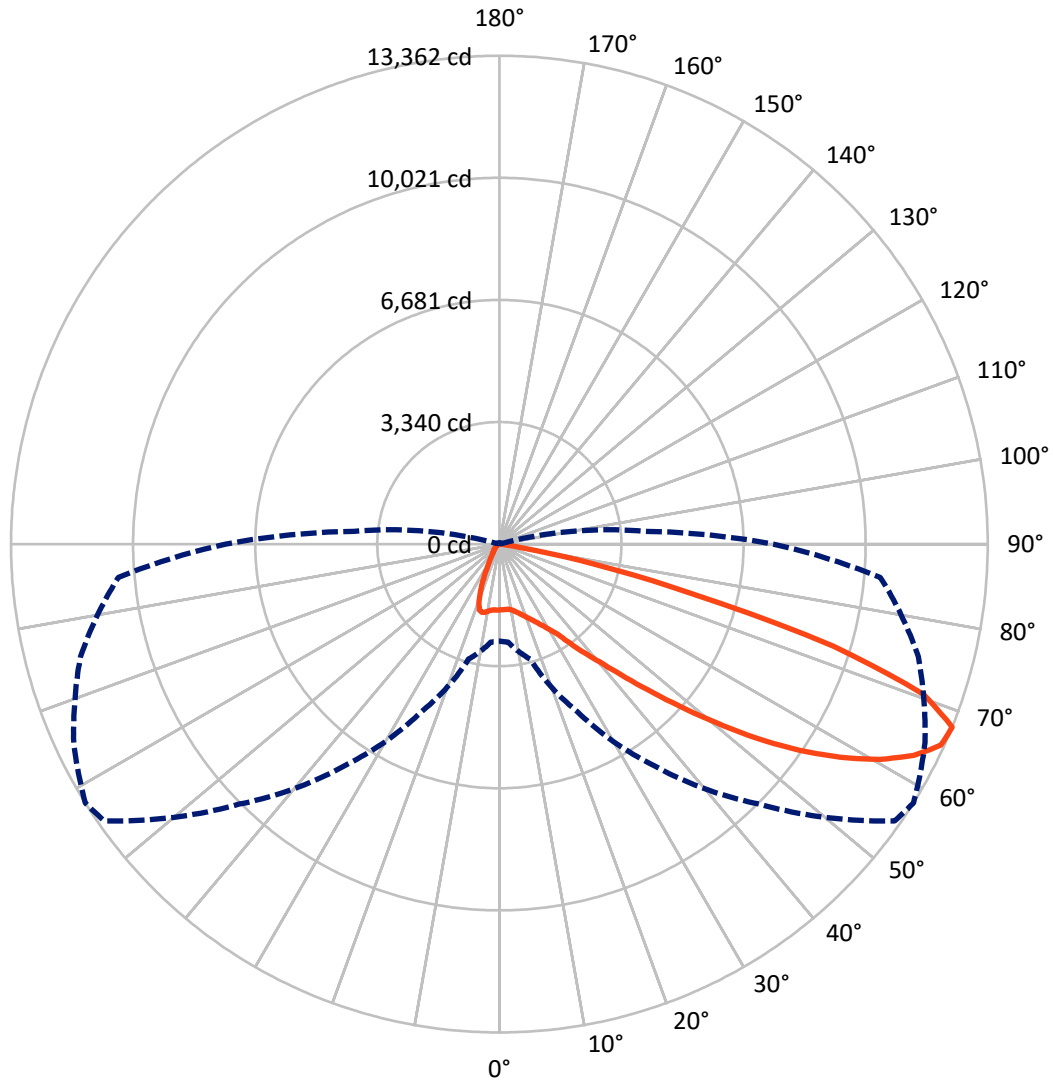
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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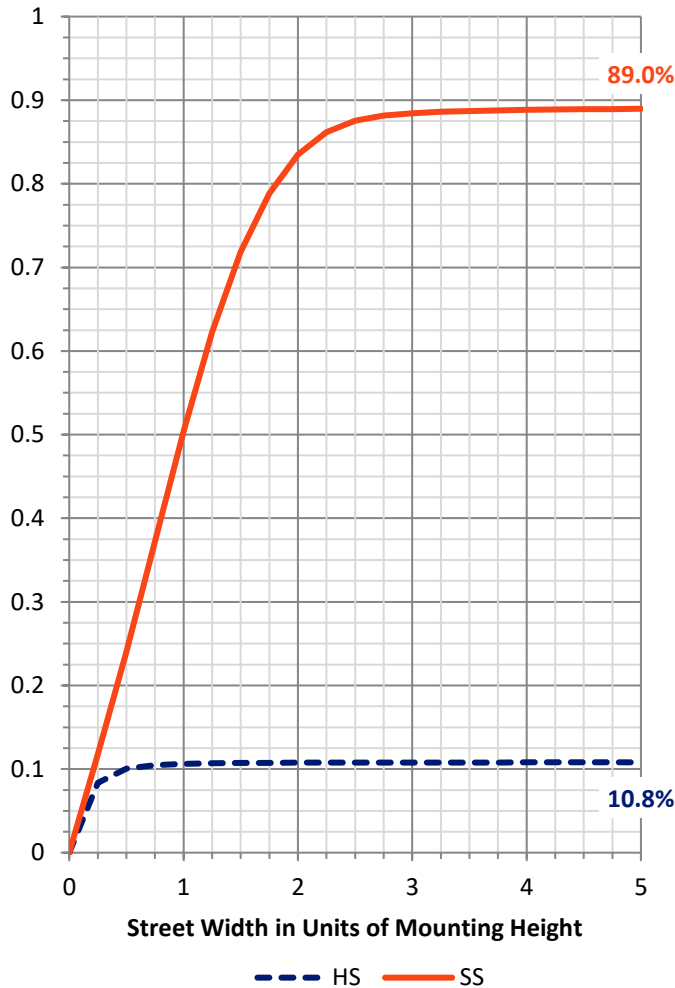
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1801.7	0.0	1801.7
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	14713.2	0.0	14713.2
	% Fixture	89.1	0.0	89.1
Total	Lumens	16515.0	0.0	16515.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.1	1.0
10°-20°	474.7	2.9
20°-30°	828.5	5.0
30°-40°	1479.6	9.0
40°-50°	2704.5	16.4
50°-60°	4497.9	27.2
60°-70°	4885.5	29.6
70°-80°	1434.4	8.7
80°-90°	40.8	0.2
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°	16515.0	100.0
0°-180°	16515.0	100.0

Coefficient of Utilization



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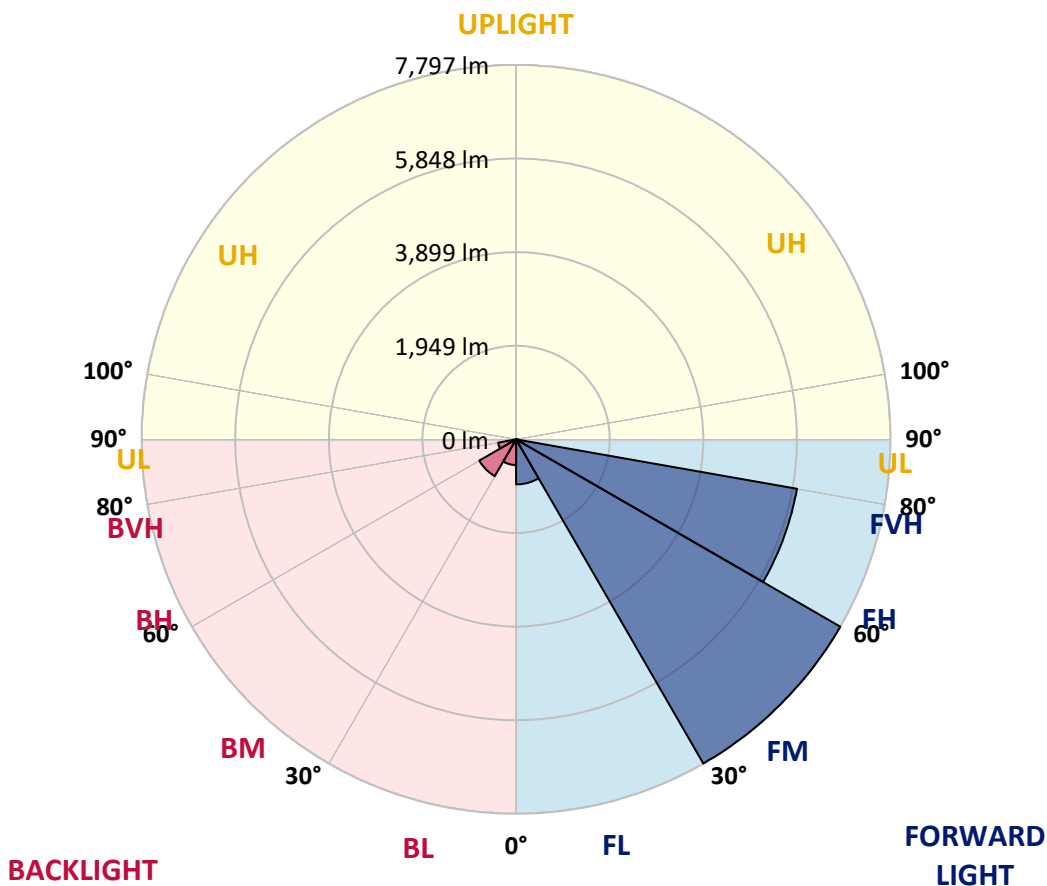
CATALOG NUMBER: GWS-SA3E-750-U-T3-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	937.8	5.7			
FM (30°-60°)	7797.1	47.2			
FH (60°-80°)	5939.5	36.0			G3/7500
FVH (80°-90°)	38.8	0.2			G1/100
BL (0°-30°)	534.4	3.2	B2/1000		
BM (30°-60°)	884.9	5.4	B1/1000		
BH (60°-80°)	380.3	2.3	B1/500		G1/500
BVH (80°-90°)	2.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1799.6	1799.6	1799.6	1799.6	1799.6	1799.6	1799.6	1799.6	1799.6	1799.6	1799.6
2.5°	1765.8	1762.6	1762.6	1775.5	1777.1	1783.5	1798.0	1799.6	1807.7	1804.5	1793.2
5°	1673.9	1675.5	1685.1	1707.7	1727.1	1751.3	1786.7	1794.8	1812.5	1822.2	1815.8
7.5°	1588.4	1590.0	1604.5	1640.0	1677.1	1725.5	1783.5	1799.6	1835.1	1860.9	1862.5
10°	1556.1	1554.5	1569.0	1609.4	1657.7	1725.5	1809.3	1830.3	1883.5	1928.6	1936.7
12.5°	1565.8	1564.2	1578.7	1615.8	1669.0	1754.5	1854.5	1883.5	1951.2	2020.6	2035.1
15°	1604.5	1602.9	1612.6	1643.2	1701.3	1790.0	1912.5	1956.1	2041.5	2125.4	2148.0
17.5°	1720.6	1712.6	1702.9	1706.1	1740.0	1831.9	1986.7	2039.9	2146.3	2246.3	2265.7
20°	1927.0	1906.1	1880.3	1846.4	1830.3	1893.2	2072.2	2133.4	2262.5	2376.9	2380.2
22.5°	2238.3	2230.2	2170.5	2072.2	2002.8	2004.4	2172.1	2243.1	2401.1	2526.9	2509.2
25°	2672.0	2667.2	2575.3	2414.0	2233.4	2172.1	2299.5	2372.1	2565.6	2699.5	2643.0
27.5°	3210.7	3176.8	3068.7	2851.0	2581.7	2389.8	2460.8	2525.3	2739.8	2865.6	2759.1
30°	3679.9	3681.5	3579.9	3352.6	3049.4	2717.2	2657.5	2714.0	2899.4	3031.7	2902.6
32.5°	4131.4	4145.9	4034.7	3829.9	3497.7	3144.5	2939.7	2949.4	3104.2	3247.7	3091.3
35°	4550.7	4562.0	4484.6	4310.4	4000.8	3591.2	3333.2	3328.4	3412.2	3559.0	3354.2
37.5°	5020.0	5031.3	4955.5	4799.0	4508.8	4102.4	3779.9	3773.4	3807.3	3926.6	3692.8
40°	5519.9	5540.8	5457.0	5324.7	5047.4	4703.9	4299.1	4241.1	4207.2	4347.5	4131.4
42.5°	6026.2	6058.5	6029.4	5897.2	5660.2	5376.3	4973.2	4882.9	4810.3	4986.1	4757.1
45°	6655.1	6693.8	6680.9	6579.3	6395.5	6164.9	5784.3	5679.5	5645.6	5808.5	5536.0
47.5°	7259.8	7301.8	7348.5	7326.0	7195.3	7088.9	6666.4	6606.7	6597.1	6771.2	6348.7
50°	7709.8	7748.5	7927.5	8056.5	8145.2	8122.6	7756.5	7667.8	7653.3	7764.6	7206.6
52.5°	8032.3	8069.4	8316.1	8719.2	9045.0	9222.4	8853.1	8833.7	8754.7	8716.0	8009.7
55°	8282.2	8333.8	8593.4	9203.0	9859.3	10252.8	10022.2	9952.9	9749.7	9527.1	8754.7
57.5°	8332.2	8353.2	8719.2	9541.6	10491.5	11128.4	11128.4	11007.5	10615.6	10307.6	9615.8
60°	7883.9	7948.4	8443.5	9514.2	10762.4	11700.9	12046.0	11962.1	11433.2	11054.3	10444.7
62.5°	6889.0	6961.5	7564.6	8857.9	10491.5	11818.6	12741.0	12728.1	12131.5	11671.9	11131.7
65°	5282.8	5336.0	5861.7	7409.8	9346.5	11365.5	13237.7	13273.2	12683.0	12079.9	11368.7
67.5°	2654.3	2691.4	3259.0	5061.9	7408.2	10060.9	13203.8	13361.9	12850.7	11863.8	10464.0
70°	927.2	964.3	1232.0	2172.1	4508.8	7682.3	12062.1	12320.1	11865.4	10127.0	7719.4
72.5°	317.7	335.4	511.2	806.3	1754.5	4553.9	9172.4	9561.0	8746.6	6798.6	4436.2
75°	180.6	191.9	274.1	437.0	735.3	1498.1	5203.8	5442.5	5099.0	3705.7	1825.4
77.5°	122.6	132.2	170.9	248.3	406.4	482.2	2122.2	2672.0	2330.2	1209.4	466.0
80°	72.6	79.0	104.8	146.7	208.0	187.1	454.7	604.7	778.9	361.2	140.3
82.5°	33.9	38.7	67.7	96.8	104.8	79.0	133.8	162.9	219.3	177.4	58.1
85°	0.0	0.0	22.6	40.3	38.7	22.6	37.1	40.3	59.7	88.7	22.6
87.5°	0.0	0.0	0.0	0.0	0.0	1.6	3.2	4.8	9.7	17.7	9.7
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°	1799.6	1799.6	1799.6	1799.6	1799.6	1799.6	1799.6	1799.6	1799.6	1799.6	1799.6
2.5°	1806.1	1794.8	1807.7	1801.3	1807.7	1806.1	1793.2	1785.1	1785.1	1770.6	1765.8
5°	1828.7	1817.4	1820.6	1806.1	1802.9	1794.8	1778.7	1772.2	1772.2	1757.7	1752.9
7.5°	1878.7	1860.9	1857.7	1828.7	1815.8	1793.2	1764.2	1752.9	1751.3	1736.8	1731.9
10°	1957.7	1936.7	1922.2	1885.1	1848.0	1802.9	1741.6	1690.0	1661.0	1622.3	1619.0
12.5°	2054.4	2028.6	2006.1	1949.6	1888.3	1786.7	1606.1	1417.5	1301.4	1209.4	1215.9
15°	2162.5	2138.3	2102.8	2017.3	1891.6	1627.1	1249.8	959.5	817.6	741.8	738.6
17.5°	2280.2	2244.7	2186.7	2070.6	1790.0	1243.3	812.7	574.1	499.9	474.1	467.6
20°	2389.8	2346.3	2273.7	2081.8	1496.5	841.8	508.0	445.1	432.2	424.1	424.1
22.5°	2506.0	2451.1	2343.1	1994.8	1112.7	538.6	432.2	417.7	408.0	396.7	395.1
25°	2623.7	2552.7	2406.0	1767.4	728.9	424.1	404.8	388.6	370.9	353.2	348.3
27.5°	2723.7	2631.7	2454.3	1428.7	467.6	382.2	369.3	341.9	317.7	298.3	295.1
30°	2843.0	2725.3	2475.3	1045.0	367.7	337.0	317.7	288.7	259.6	240.3	233.8
32.5°	3002.6	2873.6	2443.1	680.5	325.7	296.7	266.1	232.2	203.2	182.2	179.0
35°	3251.0	3097.8	2294.7	433.8	295.1	256.4	219.3	183.8	159.6	143.5	140.3
37.5°	3554.1	3412.2	2051.2	325.7	264.5	222.5	179.0	145.1	127.4	116.1	112.9
40°	4004.0	3805.7	1749.7	285.4	233.8	188.7	146.7	119.3	106.4	96.8	93.5
42.5°	4587.8	4270.1	1402.9	259.6	204.8	158.0	119.3	98.4	87.1	80.6	79.0
45°	5269.9	4723.3	1036.9	233.8	177.4	130.6	98.4	80.6	72.6	67.7	66.1
47.5°	5968.2	5119.9	716.0	206.4	151.6	108.0	82.2	69.3	62.9	56.4	54.8
50°	6713.2	5455.4	488.6	179.0	129.0	88.7	71.0	62.9	54.8	50.0	48.4
52.5°	7259.8	5579.5	340.3	154.8	109.7	75.8	62.9	56.4	50.0	43.5	41.9
55°	7764.6	5576.3	258.0	130.6	93.5	66.1	56.4	50.0	43.5	38.7	37.1
57.5°	8267.7	5532.8	203.2	111.3	80.6	59.7	50.0	43.5	40.3	33.9	32.3
60°	8593.4	5368.3	158.0	93.5	69.3	51.6	43.5	38.7	33.9	29.0	27.4
62.5°	8766.0	5139.3	120.9	74.2	56.4	45.2	38.7	33.9	29.0	24.2	22.6
65°	8532.2	4732.9	95.1	58.1	43.5	38.7	32.3	27.4	22.6	17.7	16.1
67.5°	7495.3	3991.1	74.2	46.8	33.9	29.0	27.4	22.6	16.1	12.9	11.3
70°	5297.3	2733.3	58.1	35.5	25.8	22.6	21.0	17.7	12.9	9.7	8.1
72.5°	2907.5	1378.8	41.9	25.8	19.4	17.7	16.1	14.5	11.3	8.1	8.1
75°	1119.1	379.0	30.6	17.7	12.9	12.9	11.3	11.3	9.7	6.5	6.5
77.5°	291.9	112.9	19.4	11.3	8.1	8.1	8.1	6.5	6.5	4.8	4.8
80°	93.5	37.1	11.3	8.1	6.5	4.8	4.8	3.2	4.8	3.2	3.2
82.5°	30.6	12.9	6.5	6.5	4.8	3.2	3.2	1.6	1.6	0.0	0.0
85°	11.3	6.5	4.8	3.2	3.2	3.2	1.6	0.0	0.0	0.0	0.0
87.5°	6.5	3.2	3.2	3.2	3.2	1.6	0.0	0.0	0.0	0.0	0.0
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)