

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: P635056

Luminaire Tested: GWS-SA3D-722-U-RW-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635056  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-50)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3D-722-U-RW-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

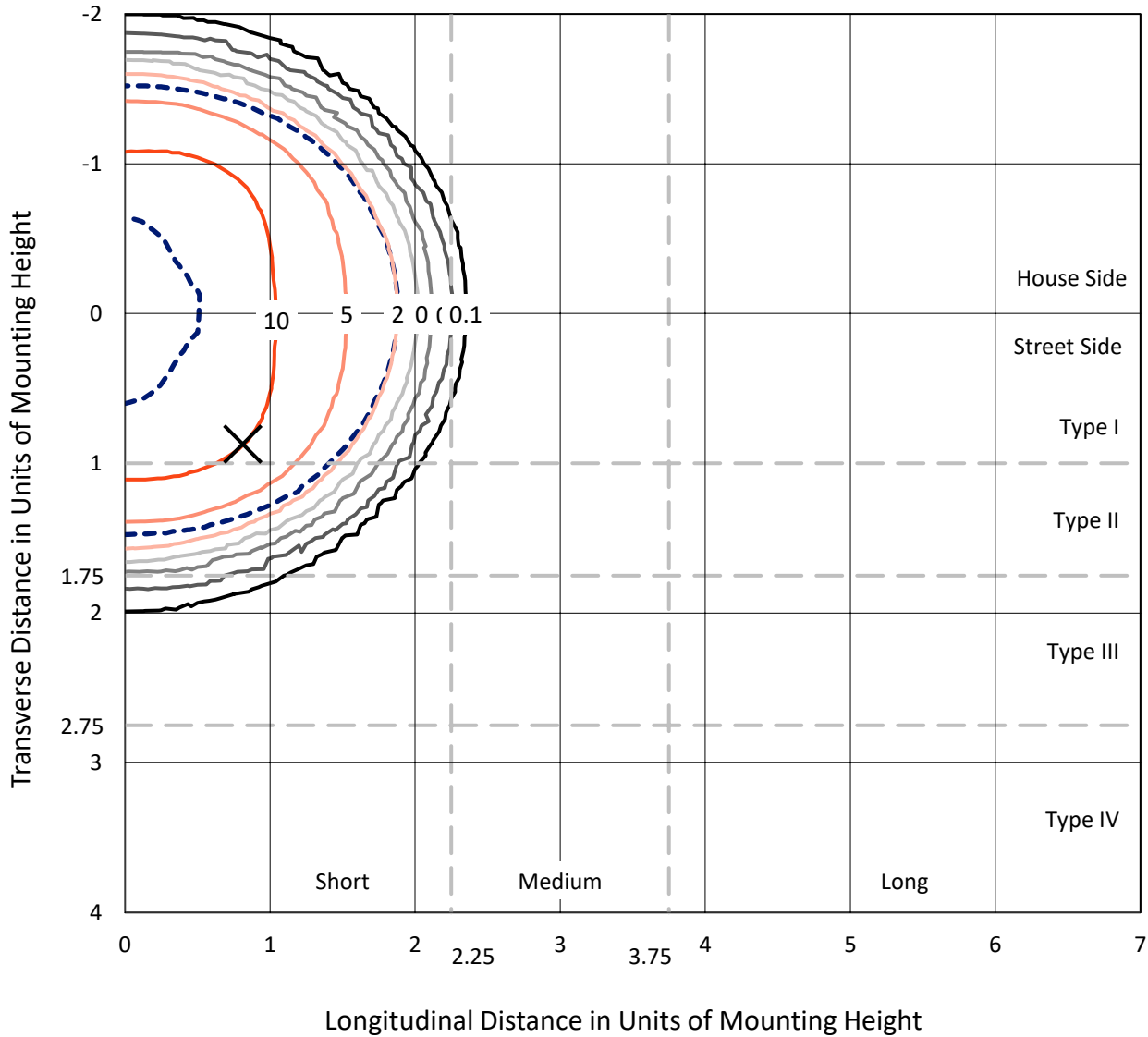
Lumens per Lamp: N/A  
Luminaire Lumens: 8401.4 lumens  
Efficiency: N/A  
Efficacy: 69.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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



REPORT NUMBER: P635056  
 CATALOG NUMBER: GWS-SA3D-722-U-RW-W-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

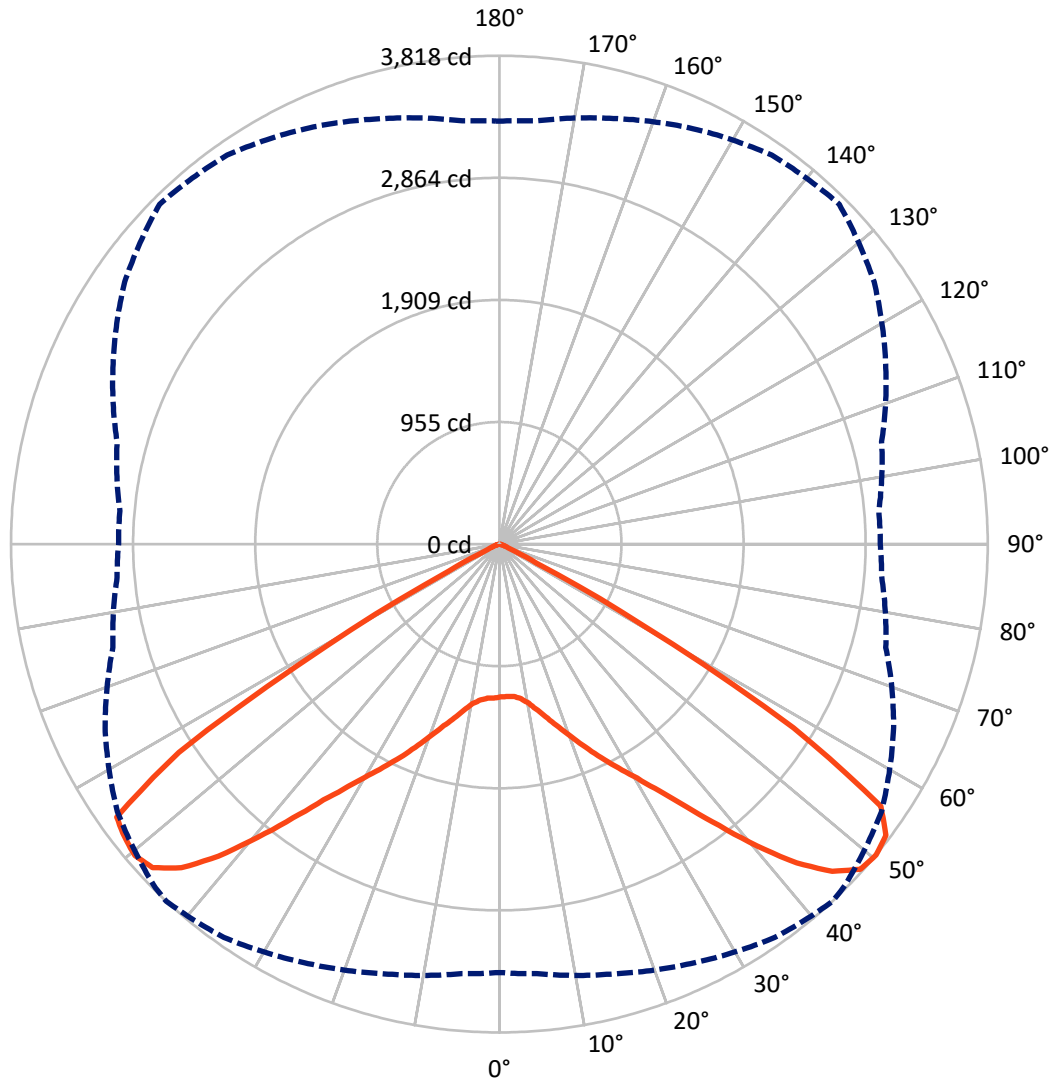
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.3 fc  
 Type V - Short - N/A

REPORT NUMBER: P635056  
CATALOG NUMBER: GWS-SA3D-722-U-RW-W-GRSBK

### Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral    - - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P635056  
 CATALOG NUMBER: GWS-SA3D-722-U-RW-W-GRSBK

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4200.6	0.0	4200.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4200.8	0.0	4200.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8401.4	0.0	8401.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.7	1.4
10°-20°	405.0	4.8
20°-30°	819.3	9.8
30°-40°	1520.1	18.1
40°-50°	2523.3	30.0
50°-60°	2575.1	30.7
60°-70°	422.3	5.0
70°-80°	18.5	0.2
80°-90°	0.3	0.0
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°	8401.4	100.0
0°-180°	8401.4	100.0

**Coefficient of Utilization**



REPORT NUMBER: P635056

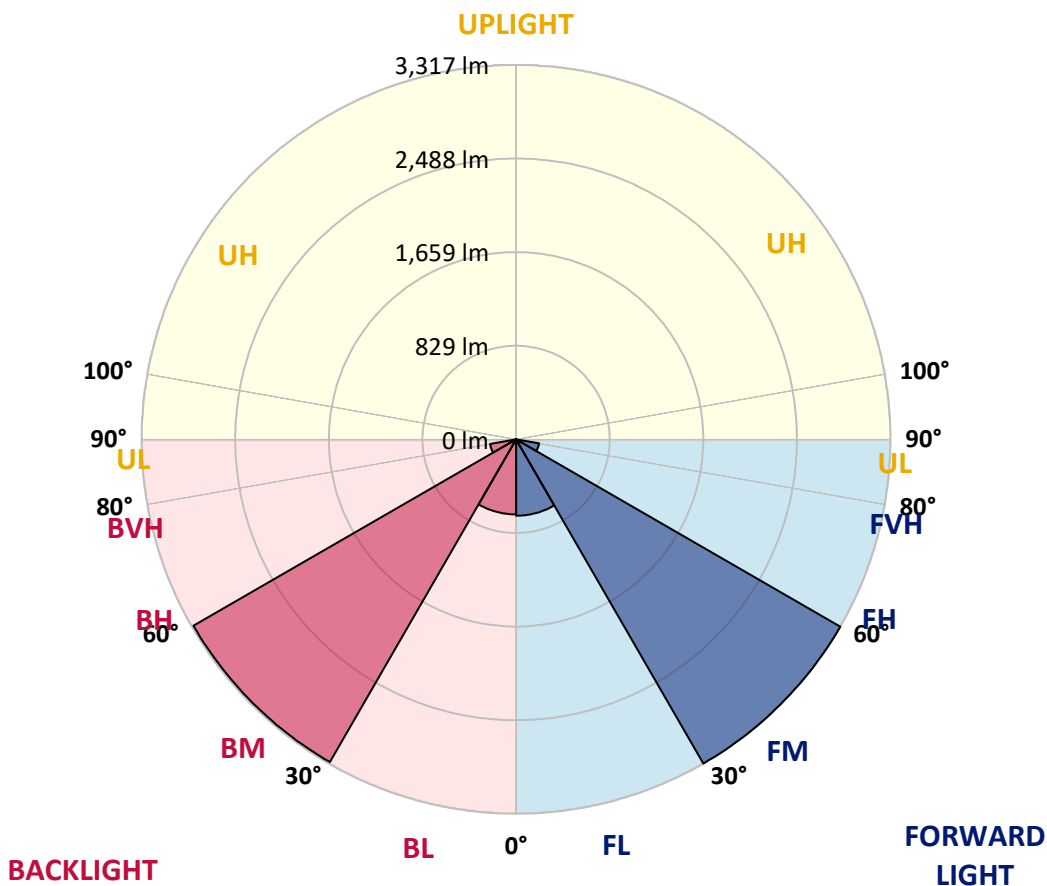
CATALOG NUMBER: GWS-SA3D-722-U-RW-W-GRSBK

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	676.9	8.1			
FM (30°-60°)	3317.3	39.5			
FH (60°-80°)	206.6	2.5			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	665.1	7.9	B2/1000		
BM (30°-60°)	3301.2	39.3	B3/5000		
BH (60°-80°)	234.2	2.8	B1/500		G0/660
BVH (80°-90°)	0.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G0**

Type V Short





REPORT NUMBER: P635056

CATALOG NUMBER: GWS-SA3D-722-U-RW-W-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	1195.0	1195.0	1195.0	1195.0	1195.0	1195.0	1195.0	1195.0	1195.0	1195.0	1195.0
2.5°	1172.7	1175.5	1179.2	1182.9	1187.5	1192.2	1195.0	1203.3	1201.5	1208.9	1208.9
5°	1159.7	1162.4	1167.1	1175.5	1185.7	1195.9	1203.3	1220.1	1229.3	1244.2	1249.8
7.5°	1166.2	1169.9	1175.5	1188.5	1204.3	1220.1	1228.4	1255.4	1273.9	1301.8	1317.6
10°	1187.5	1191.2	1200.5	1222.8	1243.3	1265.6	1275.8	1310.2	1339.9	1378.0	1400.3
12.5°	1211.7	1216.3	1234.9	1268.4	1303.7	1333.4	1347.4	1385.5	1416.1	1458.9	1494.2
15°	1236.8	1244.2	1273.0	1322.3	1372.4	1412.4	1427.3	1468.2	1498.8	1544.3	1584.3
17.5°	1295.3	1303.7	1336.2	1389.2	1457.9	1504.4	1517.4	1560.1	1583.4	1614.0	1655.9
20°	1368.7	1384.5	1424.5	1488.6	1563.9	1608.5	1617.8	1659.6	1657.7	1670.7	1707.0
22.5°	1459.8	1470.9	1514.6	1590.8	1675.4	1724.6	1746.0	1763.6	1740.4	1729.3	1752.5
25°	1554.6	1567.6	1615.0	1698.6	1793.4	1850.1	1867.7	1881.7	1844.5	1802.7	1805.5
27.5°	1677.2	1686.5	1733.0	1822.2	1917.0	1981.1	1996.9	2021.0	1971.8	1904.9	1886.3
30°	1823.1	1832.4	1881.7	1975.5	2069.4	2124.2	2148.3	2178.1	2124.2	2040.5	2019.2
32.5°	1994.1	2003.4	2066.6	2163.2	2240.3	2299.8	2323.0	2354.6	2311.9	2218.0	2193.9
35°	2198.5	2204.1	2278.4	2383.4	2465.2	2522.8	2538.6	2575.8	2528.4	2434.5	2421.5
37.5°	2435.5	2442.0	2522.8	2644.5	2728.2	2792.3	2817.4	2827.6	2770.0	2665.0	2654.8
40°	2695.6	2717.0	2796.0	2927.0	3020.9	3101.7	3124.0	3089.6	3008.8	2865.7	2847.1
42.5°	2967.0	2985.6	3073.8	3216.0	3324.7	3407.4	3408.3	3334.0	3196.5	2998.6	2970.7
45°	3192.8	3200.2	3314.5	3457.6	3591.4	3649.9	3655.5	3520.8	3313.6	3075.7	3016.2
47.5°	3347.9	3360.0	3459.5	3597.0	3744.7	3797.7	3786.5	3618.4	3369.3	3125.9	3027.4
50°	3349.8	3370.3	3478.0	3610.9	3754.0	3818.1	3802.3	3646.2	3400.9	3127.7	3000.4
52.5°	3053.4	3086.8	3262.5	3454.8	3674.1	3783.8	3787.5	3682.5	3388.8	3098.0	2976.3
55°	2303.5	2339.8	2560.9	2888.9	3312.6	3618.4	3671.3	3639.7	3374.9	3111.0	3019.0
57.5°	1219.1	1191.2	1313.9	1639.1	2171.6	2712.4	2867.5	3120.3	3219.7	3126.8	3098.0
60°	265.8	283.4	377.3	508.3	847.4	1275.8	1427.3	1860.3	2375.1	2603.7	2769.1
62.5°	114.3	112.4	117.1	132.9	194.2	323.4	394.9	644.9	1017.5	1397.5	1654.9
65°	93.9	94.8	98.5	98.5	92.0	92.9	97.6	147.7	237.9	333.6	447.9
67.5°	70.6	71.5	78.1	79.9	75.3	66.9	66.0	55.8	58.5	73.4	76.2
70°	44.6	44.6	48.3	50.2	50.2	46.5	45.5	40.0	39.0	44.6	50.2
72.5°	24.2	24.2	26.0	26.9	26.0	25.1	25.1	24.2	23.2	26.9	34.4
75°	10.2	10.2	11.2	11.2	10.2	10.2	10.2	10.2	10.2	12.1	18.6
77.5°	1.9	2.8	3.7	2.8	1.9	1.9	1.9	2.8	2.8	3.7	5.6
80°	0.9	0.9	1.9	0.9	0.0	0.0	0.0	0.0	0.9	0.9	0.9
82.5°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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



REPORT NUMBER: P635056

CATALOG NUMBER: GWS-SA3D-722-U-RW-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1195.0	1195.0	1195.0	1195.0	1195.0	1195.0	1195.0	1195.0	1195.0	1195.0	1195.0
2.5°	1215.4	1205.2	1208.9	1210.8	1208.0	1206.1	1195.9	1193.1	1188.5	1181.0	1179.2
5°	1256.3	1247.9	1247.0	1241.4	1228.4	1212.6	1193.1	1184.7	1175.5	1166.2	1164.3
7.5°	1325.1	1314.8	1308.3	1289.7	1260.0	1234.9	1202.4	1184.7	1172.7	1160.6	1157.8
10°	1413.3	1401.3	1382.7	1348.3	1308.3	1272.1	1234.0	1210.8	1192.2	1175.5	1174.5
12.5°	1507.2	1494.2	1460.7	1417.0	1368.7	1335.3	1287.0	1254.4	1226.6	1201.5	1198.7
15°	1605.7	1589.9	1544.3	1492.3	1447.7	1413.3	1360.4	1308.3	1265.6	1229.3	1225.6
17.5°	1680.9	1661.4	1607.5	1568.5	1532.3	1497.0	1437.5	1368.7	1312.0	1268.4	1258.2
20°	1728.3	1709.7	1658.6	1637.3	1620.5	1595.5	1524.8	1453.3	1390.1	1336.2	1326.9
22.5°	1773.9	1751.6	1707.0	1707.0	1720.0	1709.7	1633.6	1551.8	1477.4	1415.2	1401.3
25°	1825.0	1807.3	1775.7	1801.7	1834.3	1833.3	1755.3	1653.1	1567.6	1497.9	1484.0
27.5°	1899.3	1881.7	1870.5	1919.8	1960.6	1957.8	1872.4	1761.8	1671.7	1602.9	1589.9
30°	2030.3	2013.6	2001.5	2061.0	2113.0	2093.5	1999.7	1892.8	1801.7	1723.7	1714.4
32.5°	2205.0	2187.4	2171.6	2231.0	2277.5	2252.4	2163.2	2062.9	1957.8	1881.7	1863.1
35°	2434.5	2397.4	2381.6	2452.2	2471.7	2443.8	2358.3	2270.1	2158.6	2071.2	2059.1
37.5°	2671.5	2627.8	2616.7	2678.0	2709.6	2699.4	2599.0	2507.0	2386.2	2289.6	2275.6
40°	2874.1	2834.1	2814.6	2910.3	2981.8	2988.3	2898.2	2785.8	2643.6	2543.3	2518.2
42.5°	2993.0	2958.6	2954.0	3102.6	3219.7	3303.3	3195.6	3079.4	2929.8	2816.4	2796.0
45°	3019.9	2997.6	3036.7	3231.8	3413.9	3566.3	3474.3	3351.7	3190.0	3070.1	3050.6
47.5°	3017.2	3009.7	3079.4	3298.7	3529.1	3716.8	3671.3	3532.9	3376.8	3251.3	3232.7
50°	2977.2	2978.1	3094.3	3332.2	3575.6	3757.7	3712.2	3584.0	3444.6	3321.0	3306.1
52.5°	2961.4	2955.8	3066.4	3321.9	3623.0	3739.1	3636.9	3492.9	3337.7	3185.3	3163.0
55°	3017.2	3003.2	3070.1	3313.6	3628.6	3728.9	3459.5	3147.2	2829.4	2649.2	2634.3
57.5°	3100.8	3085.9	3117.5	3252.2	3337.7	3100.8	2546.0	2042.4	1715.3	1576.9	1516.5
60°	2769.1	2758.8	2734.7	2572.1	2205.9	1664.2	1133.6	722.9	519.4	420.0	420.0
62.5°	1718.1	1704.2	1573.2	1168.9	849.3	491.6	270.4	169.1	128.2	119.9	118.9
65°	482.3	479.5	396.8	280.6	178.4	110.6	97.6	99.4	97.6	94.8	93.9
67.5°	72.5	79.9	79.9	65.0	62.3	69.7	81.8	87.3	82.7	78.1	76.2
70°	46.5	50.2	48.3	41.8	44.6	52.0	58.5	59.5	56.7	52.0	51.1
72.5°	32.5	36.2	29.7	26.9	27.9	30.7	33.5	33.5	32.5	30.7	28.8
75°	19.5	19.5	13.9	13.0	13.0	13.9	13.9	15.8	15.8	14.9	13.9
77.5°	6.5	7.4	4.6	3.7	3.7	3.7	4.6	5.6	5.6	4.6	3.7
80°	0.9	1.9	0.9	0.9	0.9	0.9	0.9	0.9	1.9	1.9	0.9
82.5°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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)