

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: P324795

Luminaire Tested: **GAN-SA1B-740-U-AFL-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P324795  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-30)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA1B-740-U-AFL-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 4000K, 800mA LIGHTSQUARE WITH 16 LEDS AND AUTOMOTIVE  
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4899 lumens  
Efficiency: N/A  
Efficacy: 111.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

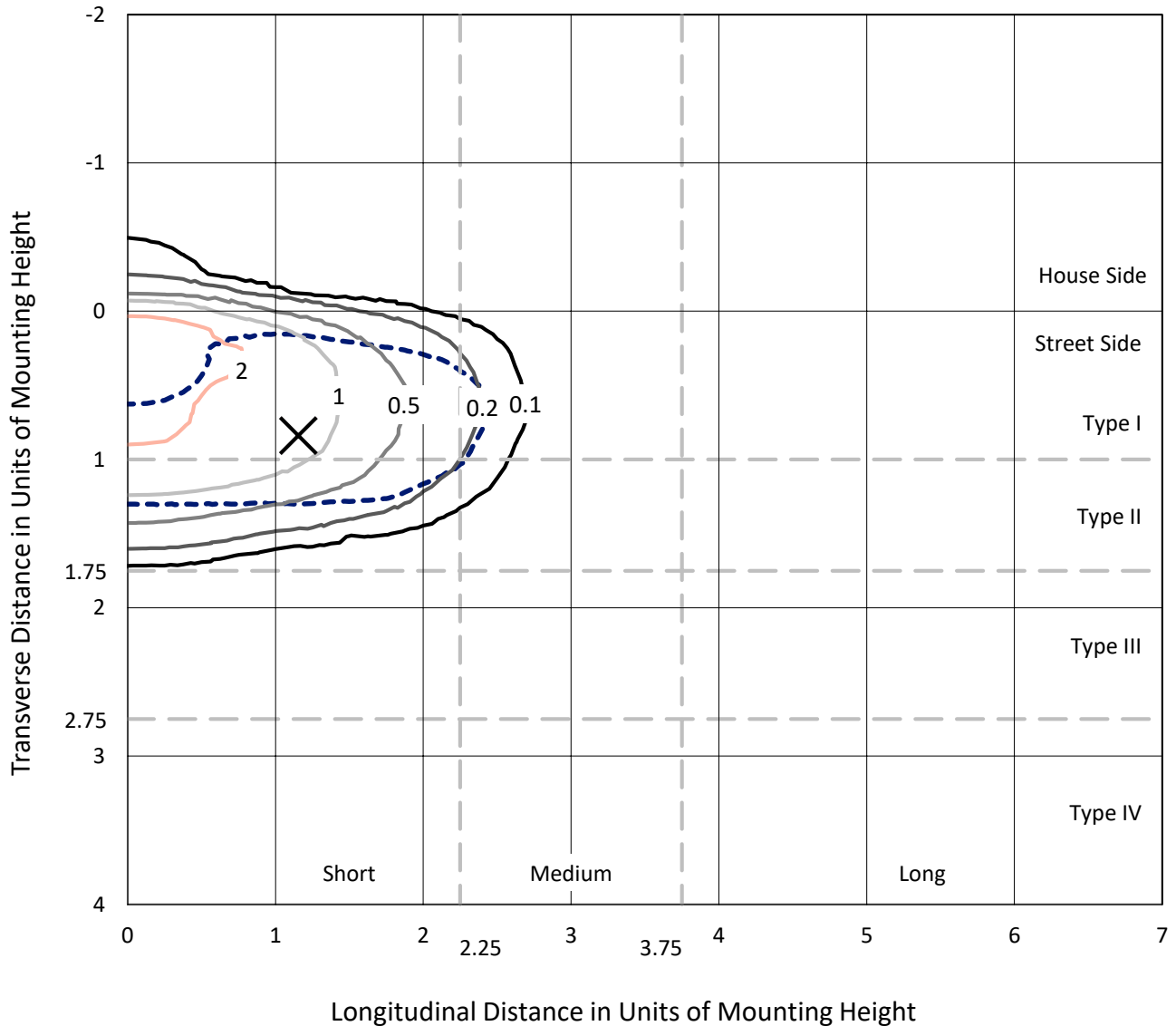
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P324795  
 CATALOG NUMBER: GAN-SA1B-740-U-AFL-HSS

### Iso-Footcandle Lines of Horizontal Illumination

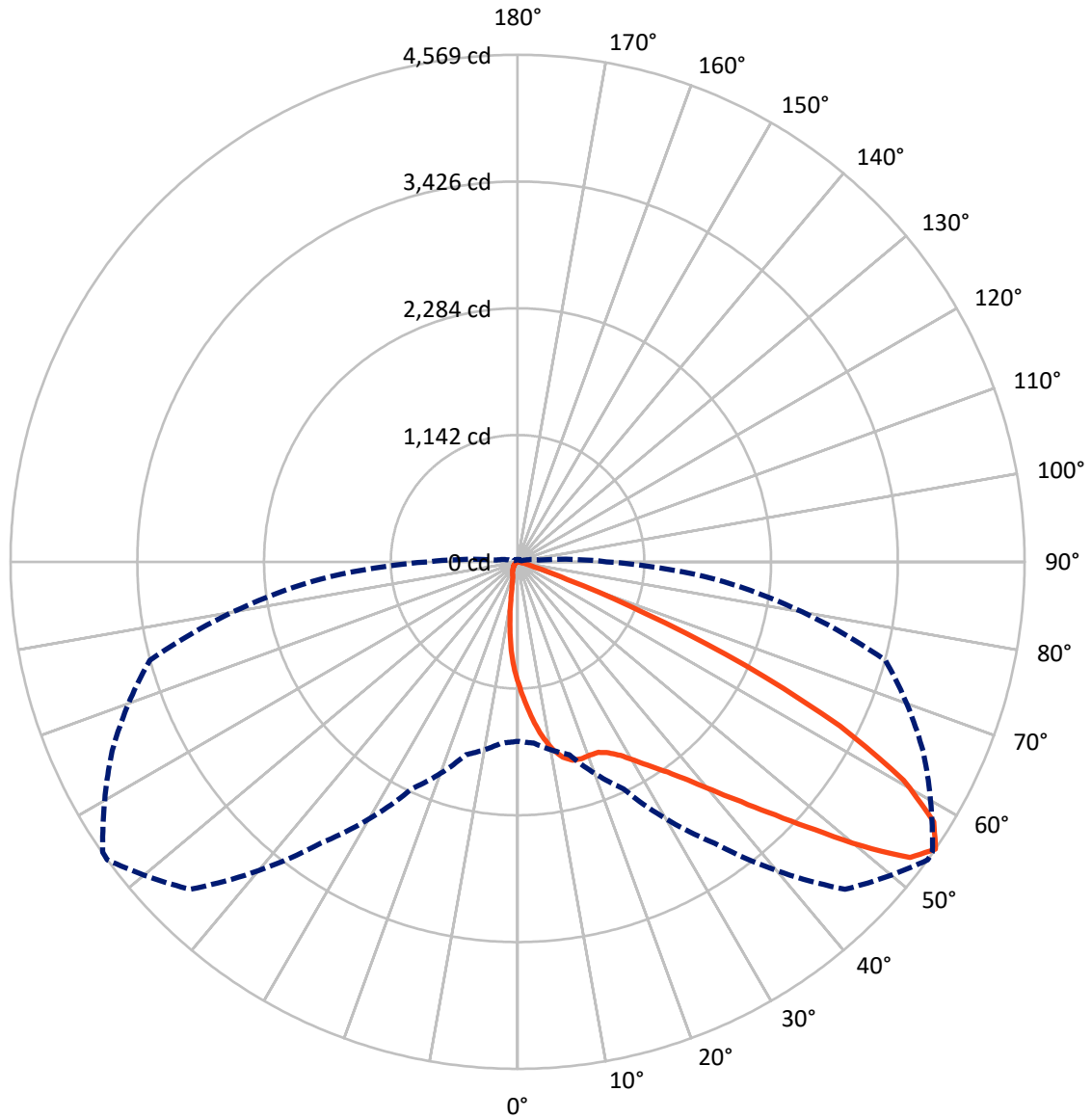
✕ Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P324795  
CATALOG NUMBER: GAN-SA1B-740-U-AFL-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral      - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P324795  
 CATALOG NUMBER: GAN-SA1B-740-U-AFL-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	244.4	0.0	244.4
	% Fixture	5.0	0.0	5.0
<b>Street Side</b>	Lumens	4654.6	0.0	4654.6
	% Fixture	95.0	0.0	95.0
<b>Total</b>	Lumens	4899.0	0.0	4899.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.0	2.1
10°-20°	277.1	5.7
20°-30°	473.1	9.7
30°-40°	759.2	15.5
40°-50°	1213.3	24.8
50°-60°	1300.1	26.5
60°-70°	667.5	13.6
70°-80°	101.1	2.1
80°-90°	6.6	0.1
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°	4899.0	100.0
0°-180°	4899.0	100.0

**Coefficient of Utilization**



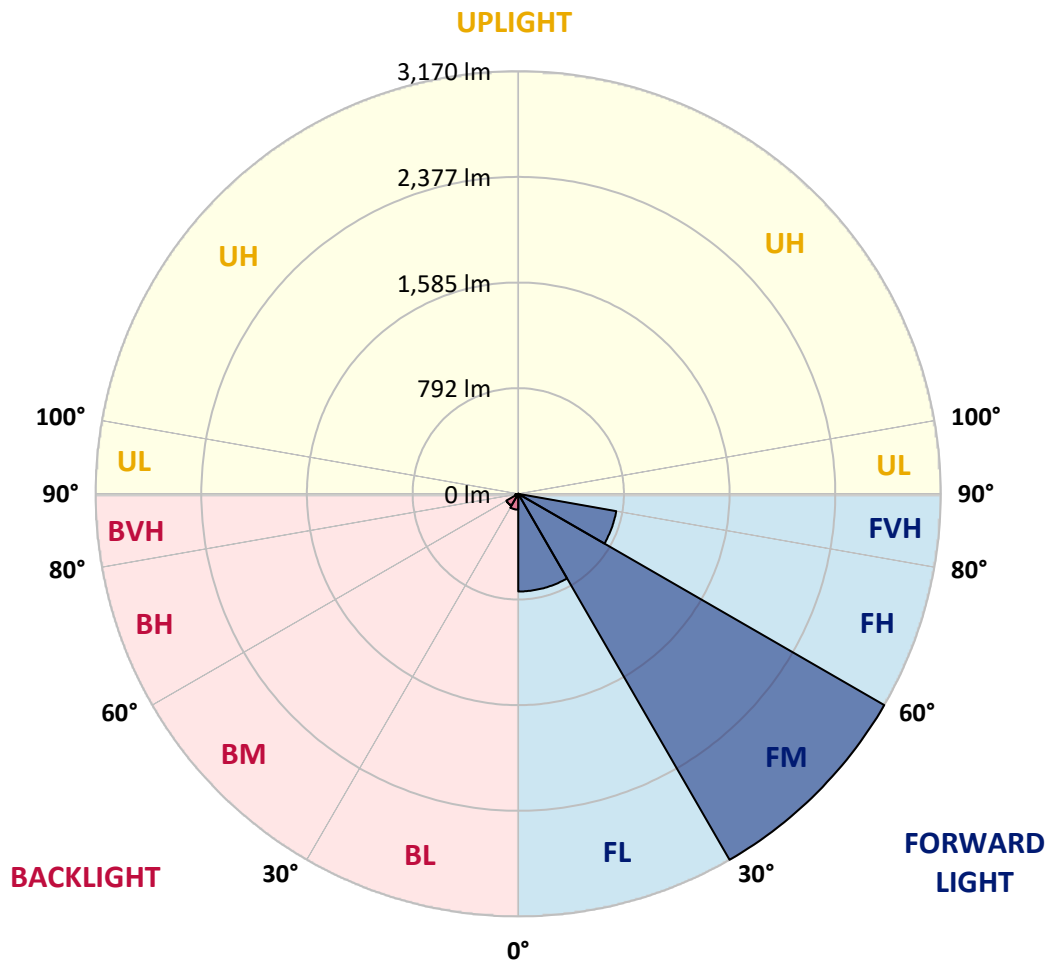
REPORT NUMBER: P324795  
 CATALOG NUMBER: GAN-SA1B-740-U-AFL-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	732.3	14.9			
FM (30°-60°)	3169.9	64.7			
FH (60°-80°)	746.1	15.2			G1/1800
FVH (80°-90°)	6.3	0.1			G0/10
BL (0°-30°)	118.9	2.4	B1/500		
BM (30°-60°)	102.7	2.1	B0/220		
BH (60°-80°)	22.5	0.5	B0/110		G0/110
BVH (80°-90°)	0.3	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-G1**

Type II Short





REPORT NUMBER: P324795  
 CATALOG NUMBER: GAN-SA1B-740-U-AFL-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	1097.2	1097.2	1097.2	1097.2	1097.2	1097.2	1097.2	1097.2	1097.2	1097.2	1097.2
2.5°	1376.9	1356.3	1357.0	1347.7	1313.6	1287.0	1259.2	1252.7	1209.5	1164.2	1120.7
5°	1614.9	1599.9	1596.3	1578.3	1530.9	1480.7	1427.0	1414.5	1330.1	1237.4	1146.3
7.5°	1737.2	1737.4	1734.4	1727.9	1698.2	1649.6	1584.0	1570.9	1456.0	1317.0	1172.9
10°	1701.6	1709.7	1726.2	1748.0	1770.6	1764.5	1715.2	1703.3	1578.5	1401.2	1202.5
12.5°	1618.7	1619.7	1638.2	1673.9	1739.1	1805.9	1806.8	1802.8	1695.5	1489.2	1235.1
15°	1577.4	1581.5	1588.2	1611.3	1673.1	1780.1	1856.7	1862.4	1802.8	1582.7	1269.8
17.5°	1604.5	1610.2	1604.5	1607.3	1643.0	1739.3	1865.4	1880.0	1896.5	1675.2	1302.6
20°	1677.9	1683.2	1673.1	1661.8	1668.8	1727.4	1859.2	1878.9	1969.9	1757.3	1330.1
22.5°	1776.9	1779.1	1763.6	1745.2	1740.1	1767.6	1864.3	1884.6	2028.7	1831.5	1347.5
25°	1885.9	1887.8	1868.5	1847.4	1835.3	1846.5	1906.0	1921.2	2080.5	1902.4	1357.4
27.5°	2004.6	2006.3	1982.2	1956.1	1942.2	1942.6	1974.8	1991.0	2135.8	1983.2	1365.4
30°	2130.0	2129.2	2107.0	2070.8	2053.0	2052.6	2073.8	2090.3	2215.7	2086.9	1376.4
32.5°	2270.9	2269.3	2237.7	2192.9	2172.8	2175.7	2194.6	2204.1	2315.0	2197.3	1396.1
35°	2456.5	2451.6	2404.0	2348.4	2311.4	2310.3	2326.2	2333.8	2441.5	2331.0	1428.9
37.5°	2697.3	2692.8	2628.3	2547.5	2495.4	2476.0	2494.8	2504.5	2621.9	2502.6	1481.6
40°	2934.6	2930.2	2891.9	2817.8	2737.7	2690.9	2705.7	2716.1	2847.3	2710.8	1548.0
42.5°	3098.4	3102.2	3115.5	3121.7	3046.5	2948.4	2955.1	2965.9	3084.0	2933.4	1624.0
45°	3141.5	3149.8	3225.1	3373.0	3401.1	3324.5	3253.7	3259.6	3324.5	3155.9	1699.9
47.5°	3011.8	3027.1	3172.4	3447.5	3685.7	3739.8	3605.7	3597.9	3555.4	3336.0	1753.9
50°	2717.1	2731.1	2919.4	3326.2	3772.0	4136.3	4027.6	4004.5	3757.8	3443.7	1772.9
52.5°	2290.6	2307.5	2460.5	2944.6	3609.3	4313.2	4427.0	4407.8	3906.3	3452.1	1776.1
55°	1617.6	1638.2	1800.0	2256.8	3093.7	4172.5	4568.5	4562.8	4029.7	3429.7	1782.9
57.5°	909.1	923.9	1098.4	1446.7	2265.9	3634.3	4420.7	4458.5	4104.2	3390.8	1793.0
60°	403.7	407.7	498.0	720.2	1326.5	2777.4	3997.3	4061.2	4040.3	3338.7	1810.2
62.5°	223.8	220.5	220.5	299.4	576.5	1719.4	3259.6	3365.2	3767.6	3277.2	1811.0
65°	175.4	172.2	163.1	164.4	219.6	763.1	2257.2	2444.9	3249.6	3096.7	1750.1
67.5°	148.7	146.0	136.9	133.3	136.5	251.8	1240.2	1435.0	2465.8	2627.6	1515.9
70°	125.7	123.8	119.1	114.7	106.6	124.4	474.5	607.0	1519.5	1748.0	1034.8
72.5°	101.1	100.3	102.0	98.2	88.4	82.9	162.3	196.5	682.5	780.0	426.3
75°	87.2	86.7	87.6	83.8	72.8	57.8	82.5	90.1	192.5	190.8	86.3
77.5°	56.7	57.3	72.6	70.9	62.6	38.5	42.7	46.1	58.4	43.8	26.2
80°	36.2	35.8	36.8	58.8	56.3	29.4	21.4	22.4	28.1	21.6	12.7
82.5°	22.0	21.6	24.1	27.5	28.3	20.5	13.1	13.3	17.6	14.0	6.8
85°	1.9	2.5	14.6	13.5	9.7	6.3	6.3	6.8	9.3	8.3	3.8
87.5°	0.0	0.0	2.5	3.8	2.1	2.3	2.3	2.5	3.6	3.6	1.9
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: P324795  
 CATALOG NUMBER: GAN-SA1B-740-U-AFL-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1097.2	1097.2	1097.2	1097.2	1097.2	1097.2	1097.2	1097.2	1097.2	1097.2	1097.2
2.5°	1098.0	1076.0	1031.6	988.9	952.7	917.8	878.0	838.6	820.2	812.8	805.2
5°	1099.9	1054.7	963.0	870.8	775.2	689.1	615.7	540.3	502.7	486.2	478.6
7.5°	1102.5	1033.5	885.4	730.5	576.5	459.7	357.8	292.2	263.8	259.4	248.4
10°	1102.9	1007.9	795.3	575.7	386.5	277.2	213.3	179.4	166.9	164.8	161.2
12.5°	1103.7	977.6	695.2	426.3	257.7	185.3	154.2	143.0	139.6	139.4	139.4
15°	1106.3	945.9	591.3	307.2	185.1	146.8	135.4	131.0	129.7	130.3	130.1
17.5°	1106.3	908.5	489.4	228.9	149.6	132.0	125.7	122.7	122.3	122.9	123.1
20°	1098.2	863.0	395.8	178.1	132.7	122.5	116.8	114.0	113.0	113.4	113.6
22.5°	1079.0	807.1	319.7	147.5	121.4	113.8	107.7	103.5	101.8	102.0	102.0
25°	1048.9	740.9	250.1	127.6	112.3	104.5	97.3	92.5	91.4	91.2	91.6
27.5°	1010.4	667.7	199.1	112.3	101.6	94.1	87.0	82.9	82.1	82.3	82.5
30°	972.6	591.7	157.0	99.4	89.5	82.5	77.0	75.1	75.1	75.7	76.0
32.5°	937.9	518.8	124.2	88.2	78.7	72.4	69.2	69.0	70.0	70.5	70.7
35°	908.0	451.3	102.8	79.5	70.2	64.7	63.7	64.5	65.8	66.6	66.9
37.5°	886.9	391.0	89.9	72.4	63.7	59.2	59.0	60.7	62.4	64.3	64.7
40°	878.0	340.0	81.0	66.0	58.4	55.0	54.4	56.7	59.9	62.6	63.0
42.5°	870.6	298.3	73.4	59.9	54.2	49.3	49.1	52.0	55.9	58.6	59.2
45°	864.2	264.9	66.4	53.3	48.7	42.3	42.9	46.8	49.7	52.7	53.3
47.5°	851.1	237.4	58.8	46.3	40.2	36.2	37.4	40.8	43.2	47.6	48.2
50°	827.6	215.0	51.0	37.9	32.8	31.3	33.2	35.5	38.5	42.3	42.7
52.5°	811.8	198.0	44.2	31.7	27.1	27.5	29.4	30.3	31.9	33.4	33.0
55°	802.7	188.7	38.7	27.5	23.1	24.3	24.8	23.7	22.8	21.4	20.7
57.5°	801.6	180.3	34.5	23.9	20.3	20.9	19.5	15.9	12.9	11.2	10.8
60°	799.9	169.9	31.1	20.1	18.0	17.1	14.0	8.7	6.1	5.7	5.7
62.5°	781.5	153.8	28.6	16.9	15.2	12.9	8.0	4.0	3.4	3.6	3.6
65°	722.9	131.4	26.0	13.8	12.1	9.3	4.0	2.3	1.3	1.5	1.5
67.5°	614.6	104.7	23.3	10.6	9.1	5.9	2.3	1.1	0.0	0.0	0.0
70°	411.5	65.0	19.7	7.4	5.9	3.6	1.7	0.2	0.0	0.0	0.0
72.5°	157.8	35.1	15.9	4.4	3.8	2.5	1.1	0.0	0.0	0.0	0.0
75°	35.5	23.1	11.0	3.2	2.8	1.7	0.4	0.0	0.0	0.0	0.0
77.5°	13.5	16.7	6.3	2.1	1.9	1.1	0.0	0.0	0.0	0.0	0.0
80°	6.6	9.9	3.0	1.3	1.1	0.4	0.0	0.0	0.0	0.0	0.0
82.5°	3.4	3.8	1.3	0.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.9	1.9	0.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.1	0.6	0.2	0.2	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)