

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: P630417

Luminaire Tested: GWS-SA1D-750-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630417
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-SA1D-750-U-T3R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4855.6 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

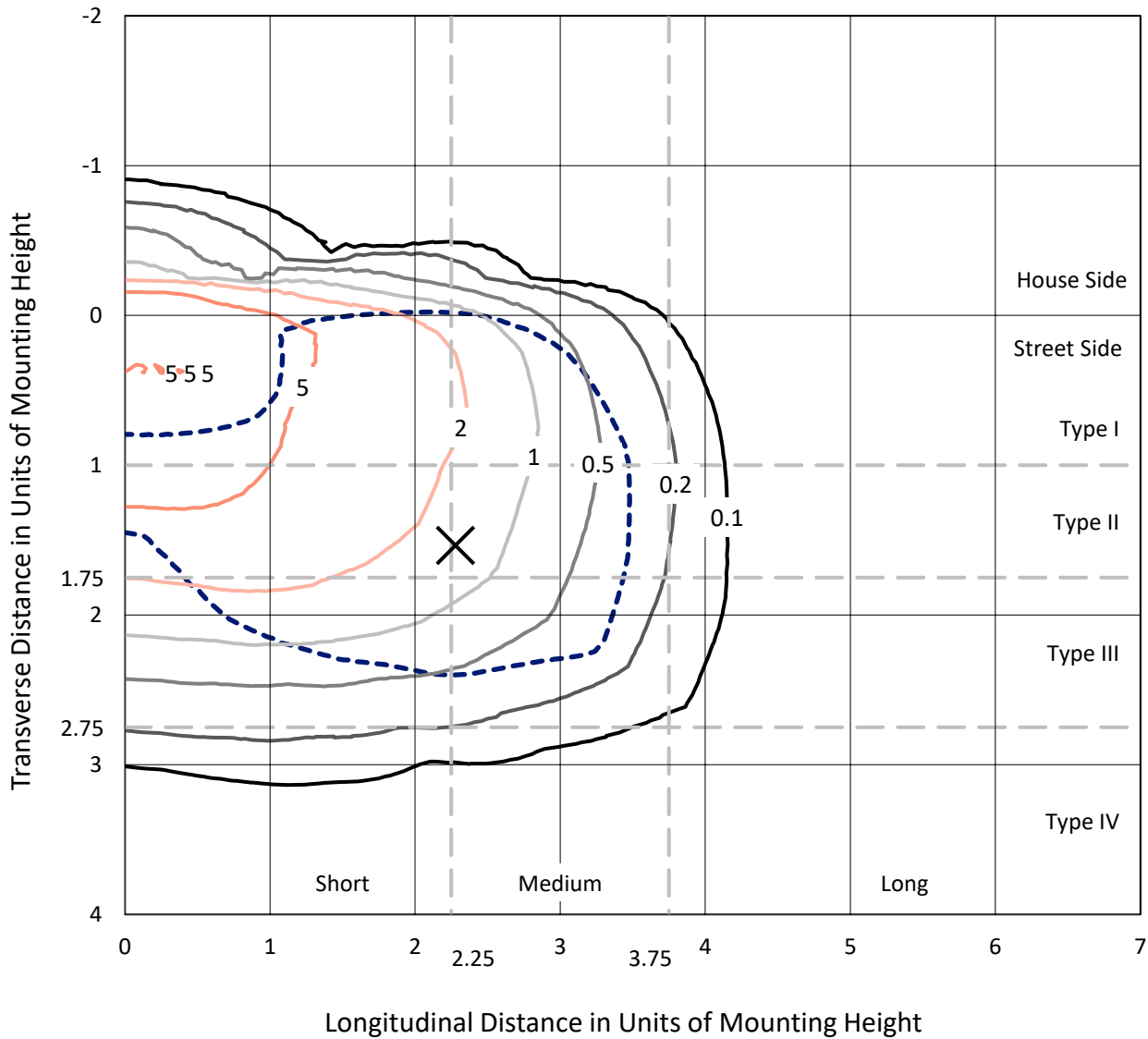
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

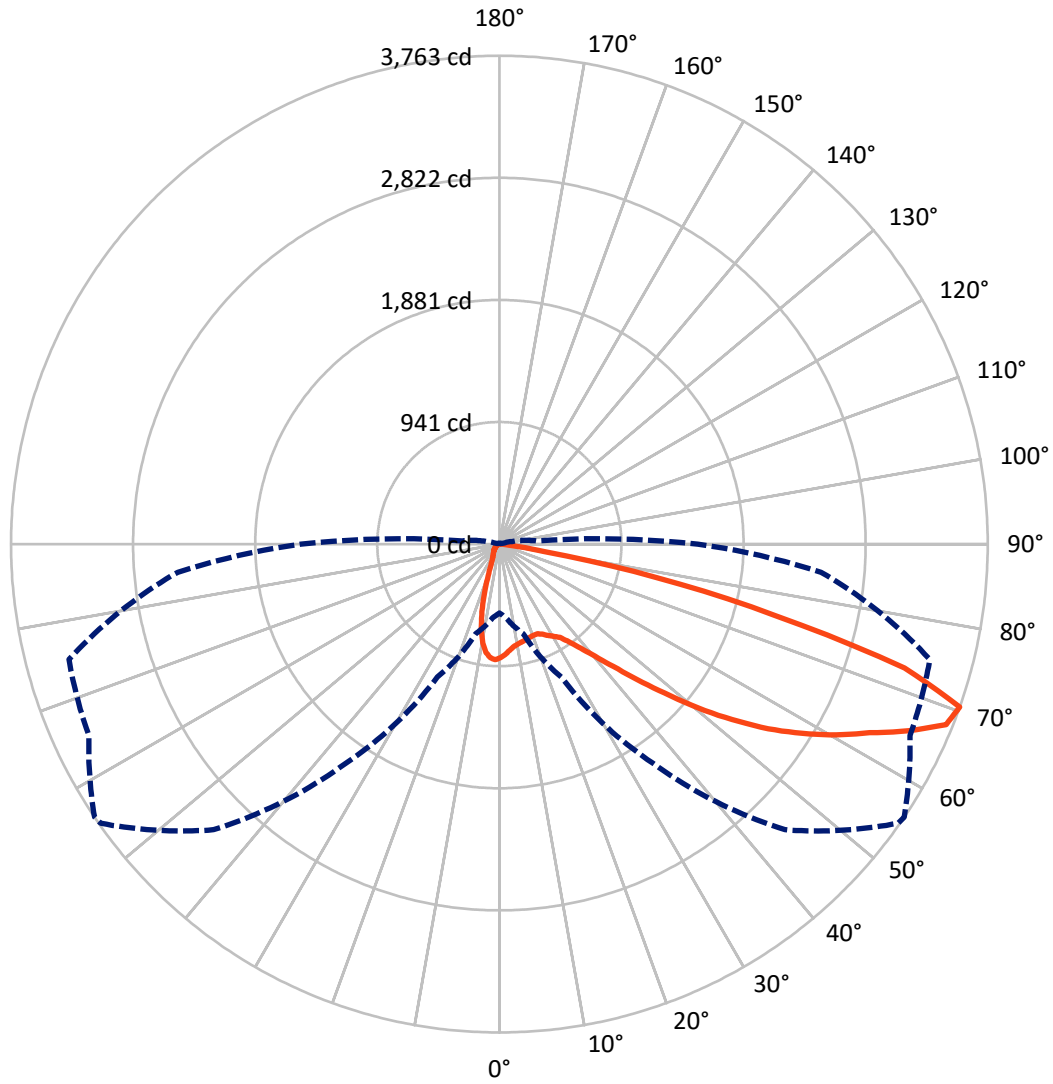
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.2 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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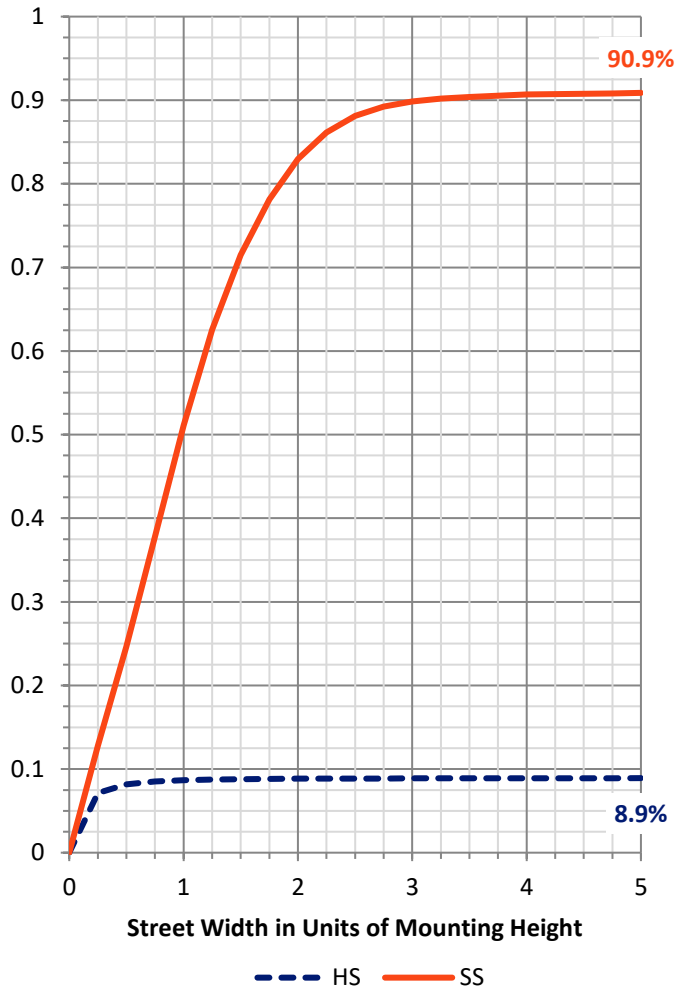
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	436.1	0.0	436.1
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	4419.5	0.0	4419.5
	% Fixture	91.0	0.0	91.0
Total	Lumens	4855.6	0.0	4855.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.2	1.5
10°-20°	169.1	3.5
20°-30°	267.8	5.5
30°-40°	461.8	9.5
40°-50°	779.9	16.1
50°-60°	1145.9	23.6
60°-70°	1358.5	28.0
70°-80°	579.3	11.9
80°-90°	18.2	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°	4855.6	100.0
0°-180°	4855.6	100.0

Coefficient of Utilization



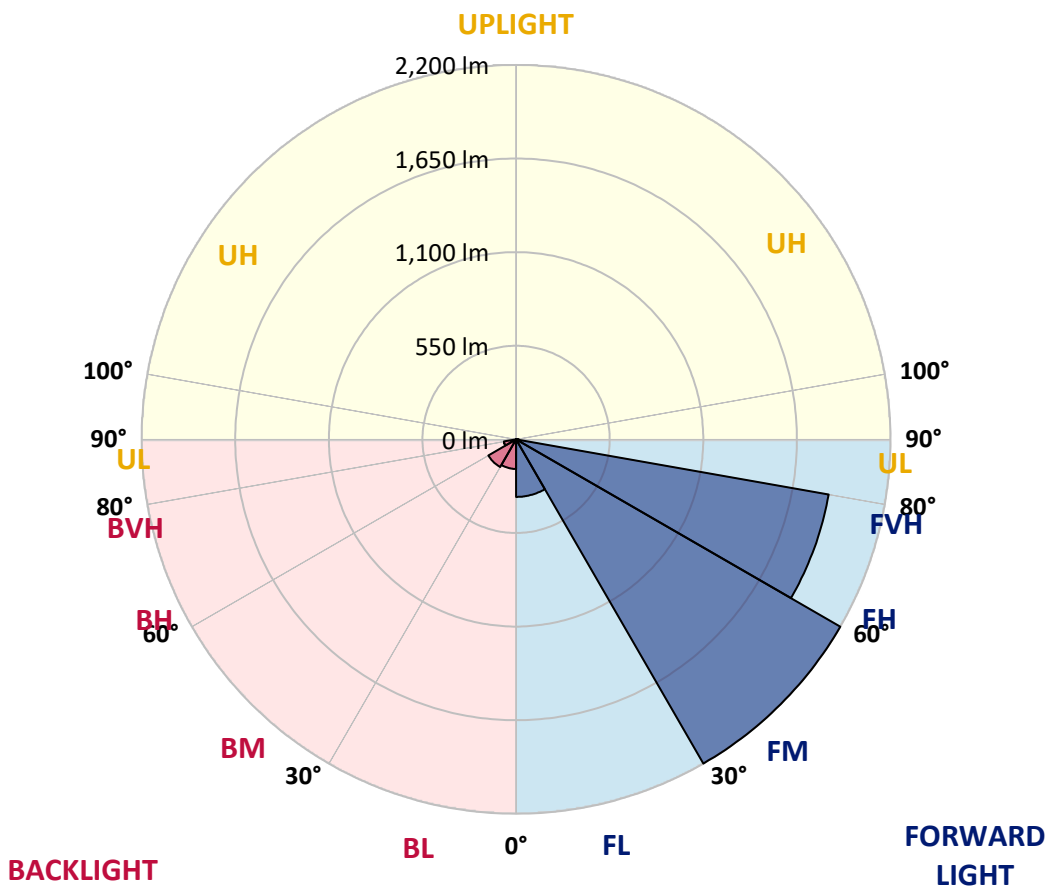
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	338.3	7.0			
FM (30°-60°)	2199.7	45.3			
FH (60°-80°)	1865.1	38.4			G2/5000
FVH (80°-90°)	16.3	0.3			G1/100
BL (0°-30°)	173.7	3.6	B1/500		
BM (30°-60°)	187.9	3.9	B0/220		
BH (60°-80°)	72.7	1.5	B0/110		G0/110
BVH (80°-90°)	1.8	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°	875.5	875.5	875.5	875.5	875.5	875.5	875.5	875.5	875.5	875.5	875.5
2.5°	815.0	813.7	814.6	821.3	833.7	839.5	849.3	851.1	859.1	869.3	873.3
5°	762.1	757.7	759.9	769.2	783.5	799.5	817.7	822.6	842.6	865.3	882.2
7.5°	713.7	708.8	714.1	728.8	748.8	766.1	793.3	796.4	828.4	868.4	899.1
10°	637.6	639.0	649.6	675.4	706.1	742.1	778.6	783.0	822.6	878.6	926.2
12.5°	579.4	576.3	587.8	617.2	660.3	712.8	767.5	773.2	823.0	894.2	960.9
15°	552.3	551.4	556.3	577.6	619.4	681.2	757.2	764.8	828.8	908.4	993.8
17.5°	553.1	551.8	551.4	563.8	594.9	657.6	746.1	755.9	833.7	924.0	1028.5
20°	591.8	585.6	574.5	568.7	587.4	642.5	738.6	749.7	840.8	940.4	1065.4
22.5°	672.8	675.0	645.2	614.1	605.2	644.3	737.7	750.6	856.4	966.2	1110.7
25°	834.6	831.0	775.9	706.1	657.6	664.7	753.2	768.8	887.1	1003.1	1153.4
27.5°	1037.4	1040.5	964.9	853.7	752.3	707.0	781.7	797.3	922.6	1026.2	1181.9
30°	1258.4	1255.2	1174.3	1051.1	886.6	777.2	810.2	823.9	940.4	1038.7	1211.2
32.5°	1467.3	1460.2	1380.2	1251.2	1057.8	888.0	849.3	857.3	964.0	1065.8	1250.8
35°	1645.6	1645.2	1575.4	1438.0	1233.9	1026.7	916.4	923.1	1008.0	1109.0	1309.0
37.5°	1829.7	1823.5	1745.2	1619.9	1414.9	1178.8	1019.1	1016.5	1077.4	1172.5	1380.6
40°	1980.9	1976.9	1916.9	1796.4	1603.0	1346.8	1143.6	1135.6	1159.6	1260.6	1480.2
42.5°	2093.0	2093.4	2074.7	2001.4	1802.2	1541.2	1300.2	1287.7	1287.3	1393.5	1611.9
45°	2177.9	2183.7	2211.7	2200.6	2037.4	1767.5	1500.7	1487.8	1466.0	1566.1	1762.6
47.5°	2217.5	2225.0	2309.5	2354.0	2243.3	1992.0	1739.5	1712.3	1669.7	1795.5	1931.1
50°	2213.5	2226.8	2344.6	2479.8	2430.0	2219.7	1999.6	1986.7	1916.9	2038.3	2097.9
52.5°	2122.8	2151.2	2346.9	2556.3	2573.6	2429.6	2268.6	2244.6	2210.8	2291.7	2254.4
55°	1876.4	1911.1	2253.0	2580.7	2685.7	2612.8	2531.8	2512.3	2456.2	2530.9	2390.9
57.5°	1742.6	1772.4	2055.6	2568.7	2780.8	2782.2	2766.2	2750.2	2703.9	2767.5	2551.0
60°	1662.1	1691.9	1950.2	2524.7	2867.1	2960.9	2986.3	2984.5	2917.8	3036.5	2738.6
62.5°	1544.3	1585.2	1840.4	2410.4	2928.5	3137.0	3213.5	3201.5	3127.2	3316.6	2924.5
65°	1306.4	1342.0	1615.4	2221.9	2892.4	3282.8	3459.8	3466.0	3380.2	3580.3	3071.2
67.5°	916.0	942.2	1213.9	1826.2	2647.9	3330.9	3711.9	3711.5	3565.2	3715.5	3006.3
70°	530.9	566.9	717.2	1129.0	2060.1	3112.5	3749.7	3762.6	3490.0	3433.1	2487.8
72.5°	205.4	235.2	406.4	599.8	1074.3	2384.2	3225.5	3263.3	2920.9	2648.3	1731.5
75°	61.4	68.5	191.2	319.3	431.3	1151.6	2183.7	2194.3	2003.6	1651.9	887.5
77.5°	45.8	50.7	83.6	161.4	151.2	349.0	1129.9	1233.9	1063.6	590.0	244.6
80°	31.1	36.9	59.6	78.7	56.0	92.9	317.5	348.6	324.6	132.5	61.4
82.5°	13.8	17.8	42.2	39.6	20.5	26.7	97.8	104.0	67.1	40.0	21.3
85°	1.3	1.8	16.0	17.3	7.6	6.2	20.5	20.5	14.7	13.8	8.9
87.5°	0.0	0.0	0.4	0.9	0.9	1.3	1.8	2.2	2.7	3.6	4.4
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°	875.5	875.5	875.5	875.5	875.5	875.5	875.5	875.5	875.5	875.5	875.5
2.5°	883.5	878.2	884.9	890.2	891.5	881.7	876.0	867.5	865.7	866.2	864.0
5°	895.5	892.9	897.7	892.0	876.8	848.4	823.9	796.8	782.1	773.7	772.8
7.5°	917.8	916.4	911.1	884.9	837.7	774.6	713.7	654.1	617.2	603.8	601.6
10°	950.7	948.0	926.2	864.0	763.5	642.1	539.8	454.4	402.4	387.3	368.6
12.5°	988.5	983.1	935.5	819.0	651.4	483.3	355.7	260.1	215.2	201.9	201.9
15°	1024.9	1013.4	930.2	744.8	513.6	314.4	198.8	150.3	136.5	132.9	132.9
17.5°	1062.3	1040.0	909.3	643.4	354.8	185.9	132.5	123.2	121.4	121.8	122.3
20°	1097.4	1062.7	872.4	521.6	226.3	129.8	118.7	116.5	115.6	116.5	116.1
22.5°	1135.6	1083.6	816.4	388.6	147.2	116.9	112.9	111.2	110.3	111.6	111.6
25°	1173.4	1098.7	742.1	261.5	116.9	108.9	106.7	104.9	104.0	104.5	104.5
27.5°	1193.0	1092.9	644.7	166.7	104.9	100.9	98.7	96.5	95.2	94.7	95.2
30°	1206.3	1075.2	525.6	118.7	95.2	90.3	88.0	86.3	82.7	80.5	81.4
32.5°	1227.2	1057.4	396.2	99.6	87.2	79.6	76.0	71.6	66.7	64.5	64.5
35°	1252.1	1032.9	277.9	89.8	78.7	70.7	64.0	56.5	50.7	48.9	48.9
37.5°	1285.0	1009.8	185.0	83.1	71.6	63.1	53.8	44.9	38.7	37.8	37.4
40°	1334.4	990.2	130.3	78.3	65.4	55.1	44.0	34.7	30.2	28.9	28.9
42.5°	1398.4	970.2	103.2	73.4	60.0	47.6	35.1	27.6	24.0	23.1	22.7
45°	1477.6	946.7	89.8	68.9	54.7	39.6	28.0	23.1	20.5	19.6	19.6
47.5°	1563.4	914.6	83.6	63.1	48.5	32.0	23.6	20.0	18.7	18.2	17.8
50°	1647.9	871.5	78.3	57.8	41.4	26.2	20.5	18.2	17.3	16.9	16.9
52.5°	1721.7	821.3	71.6	51.6	33.8	22.7	18.2	16.9	16.0	15.1	14.7
55°	1784.8	766.6	63.1	44.5	27.6	20.0	16.9	15.6	14.7	13.8	13.3
57.5°	1866.2	735.4	50.7	36.0	22.7	17.8	15.6	14.2	13.3	12.0	12.0
60°	1956.5	712.8	37.8	28.5	19.6	16.5	14.2	12.9	12.0	10.7	10.7
62.5°	2028.9	679.0	29.8	23.1	16.9	14.7	12.9	11.6	10.7	9.3	9.3
65°	2056.5	609.2	24.5	18.2	13.8	12.9	11.6	10.7	9.3	8.0	8.0
67.5°	1932.0	469.5	20.5	14.7	11.6	11.1	10.2	9.8	8.0	7.1	6.7
70°	1530.0	286.4	16.9	12.0	9.8	9.3	9.3	8.4	7.1	6.7	6.2
72.5°	1048.5	147.6	13.8	9.8	8.4	8.4	8.0	7.6	6.7	6.2	6.2
75°	544.7	49.4	10.7	7.6	6.7	7.1	7.1	6.7	6.2	6.2	5.8
77.5°	156.1	22.2	8.0	5.8	5.3	5.3	5.8	5.8	5.8	5.3	5.3
80°	40.5	12.9	5.8	4.4	4.4	4.4	4.4	4.9	5.3	4.9	4.9
82.5°	16.5	7.1	4.0	3.6	3.6	3.6	3.6	4.0	4.4	4.4	4.4
85°	10.2	3.6	3.1	3.1	3.1	2.7	2.7	3.1	3.1	3.6	3.6
87.5°	6.2	2.7	2.7	2.7	2.7	2.2	2.2	2.2	2.2	2.2	2.2
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)