

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: P633373

Luminaire Tested: GWS-SA2E-750-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633373
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2E-750-U-T2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8865.7 lumens
Efficiency: N/A
Efficacy: 81.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

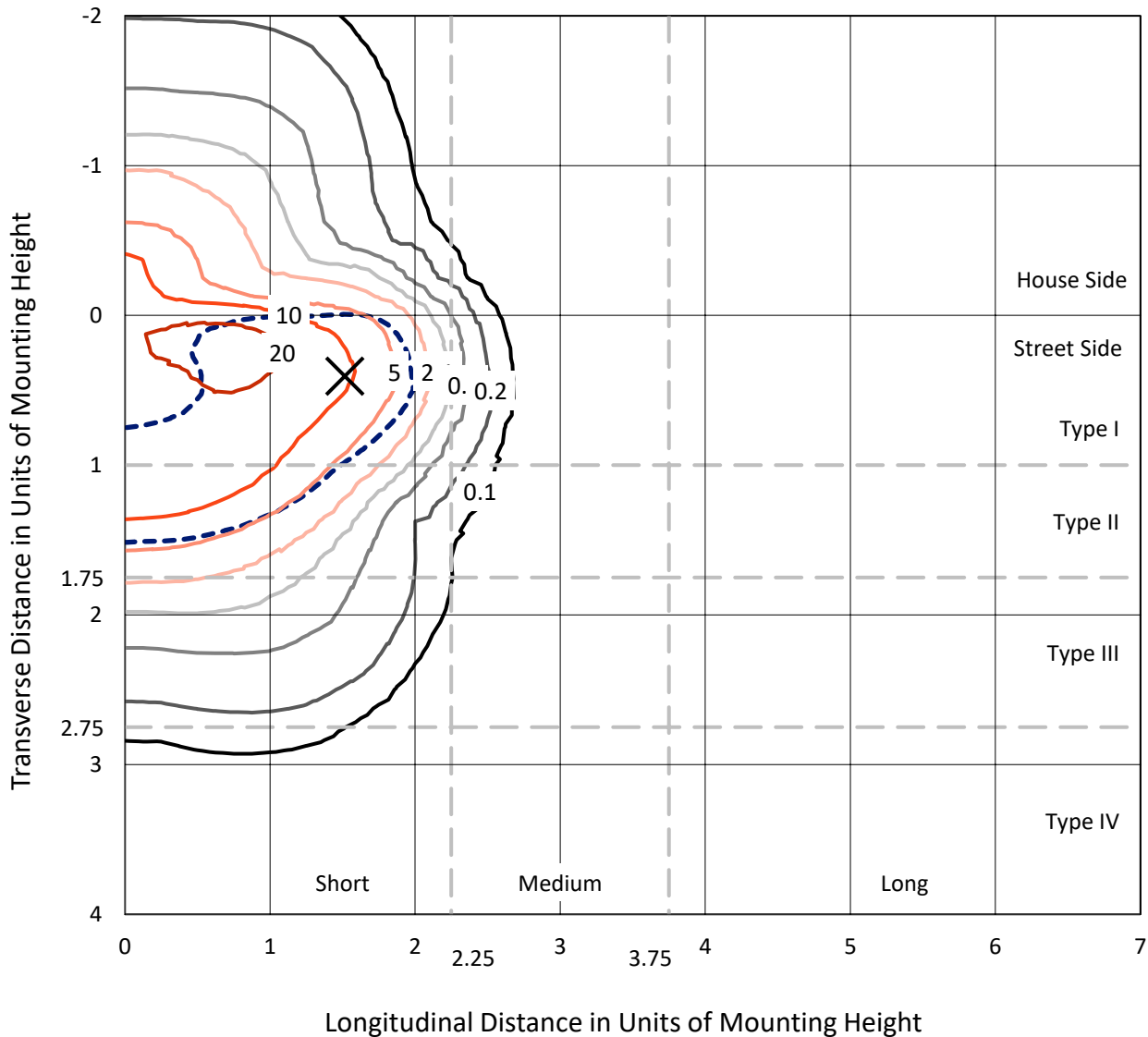
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

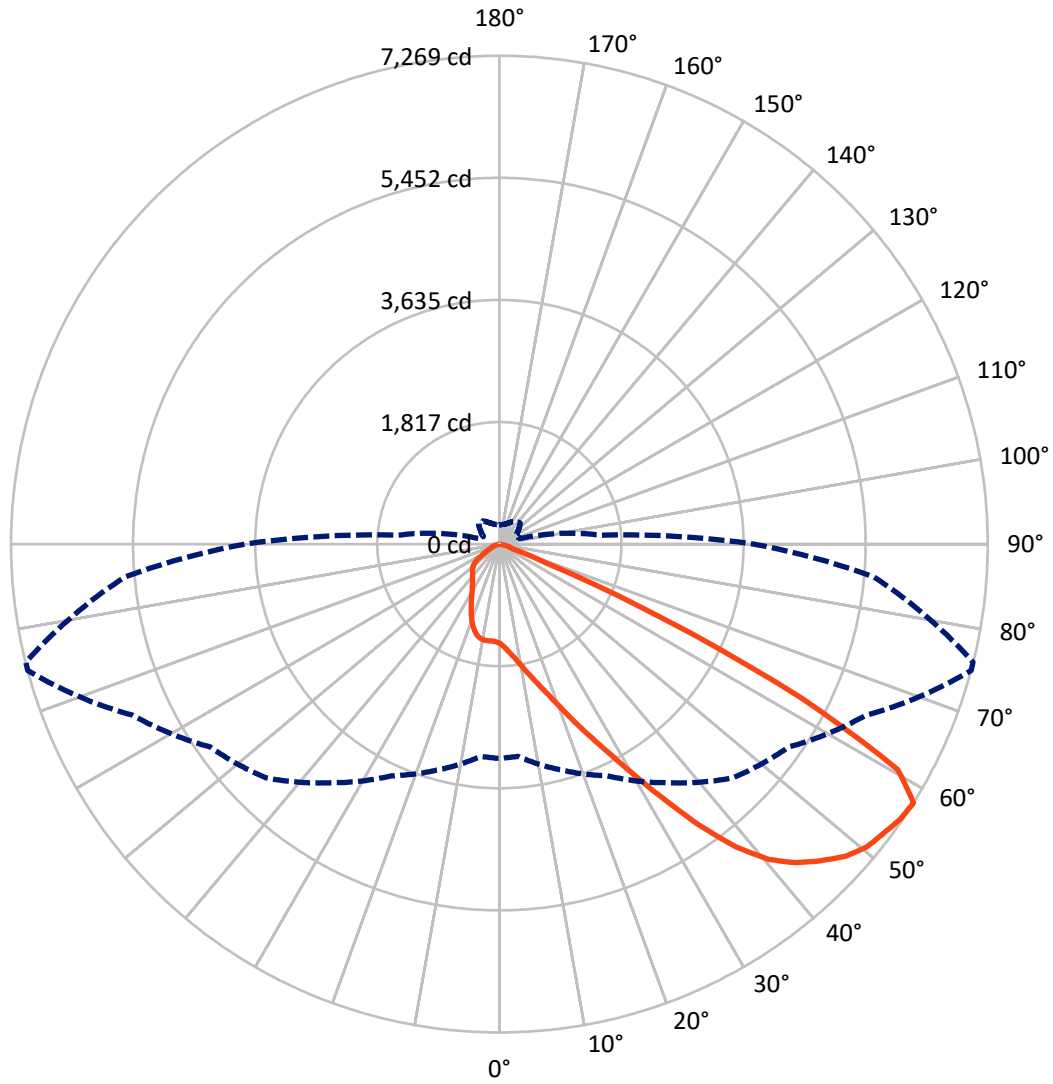
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 27.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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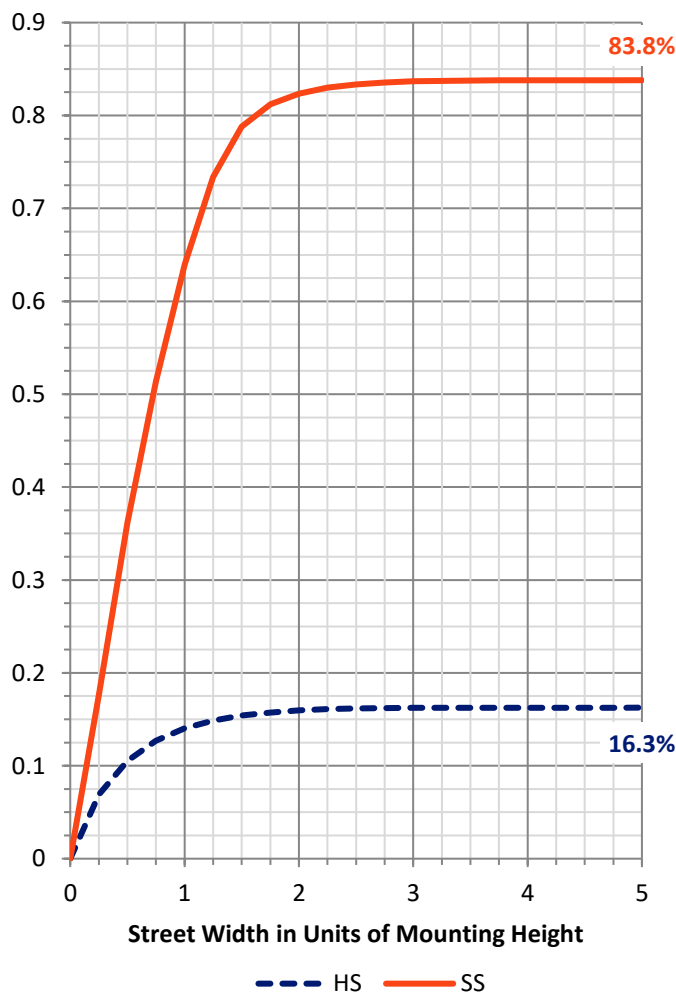
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1448.2	0.0	1448.2
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	7417.5	0.0	7417.5
	% Fixture	83.7	0.0	83.7
Total	Lumens	8865.7	0.0	8865.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.5	1.7
10°-20°	488.8	5.5
20°-30°	895.1	10.1
30°-40°	1485.0	16.8
40°-50°	2268.0	25.6
50°-60°	2548.5	28.7
60°-70°	940.0	10.6
70°-80°	89.9	1.0
80°-90°	0.1	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°	8865.7	100.0
0°-180°	8865.7	100.0

Coefficient of Utilization



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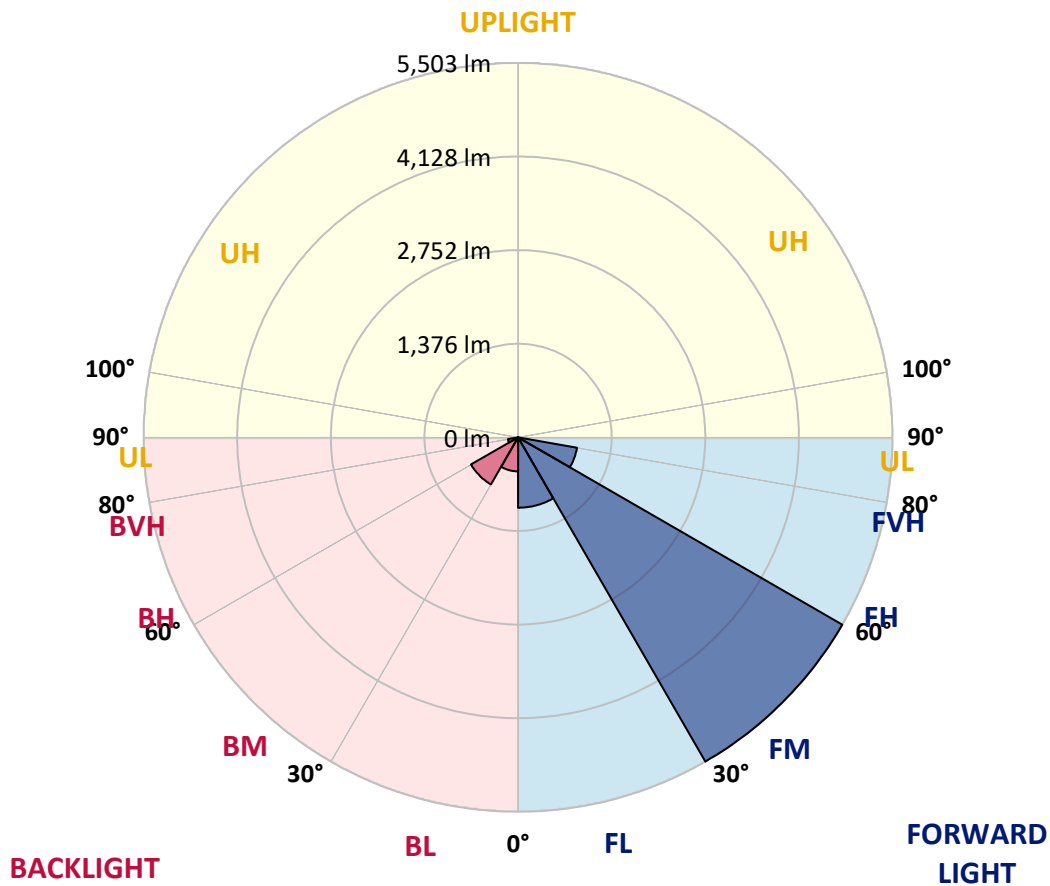
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1034.6	11.7			
FM (30°-60°)	5503.4	62.1			
FH (60°-80°)	879.4	9.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	499.7	5.6	B1/500		
BM (30°-60°)	798.0	9.0	B1/1000		
BH (60°-80°)	150.4	1.7	B1/500		G1/500
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1478.7	1478.7	1478.7	1478.7	1478.7	1478.7	1478.7	1478.7	1478.7	1478.7	1478.7
2.5°	1652.0	1669.1	1663.8	1653.1	1646.7	1624.2	1610.3	1569.6	1540.7	1537.5	1510.8
5°	1860.6	1857.4	1853.2	1840.3	1829.6	1794.3	1752.6	1684.1	1623.1	1615.6	1558.9
7.5°	1975.1	1977.3	1979.4	1977.3	1969.8	1943.0	1897.0	1816.8	1723.7	1717.3	1627.4
10°	2022.2	2026.5	2037.2	2057.5	2075.7	2073.6	2046.8	1964.4	1849.9	1839.2	1718.3
12.5°	2044.7	2050.0	2067.1	2105.7	2154.9	2193.4	2197.7	2123.9	1997.6	1980.5	1826.4
15°	2075.7	2081.1	2102.5	2152.7	2224.4	2300.4	2349.6	2302.5	2161.3	2143.1	1945.2
17.5°	2089.6	2097.1	2128.1	2194.5	2287.6	2404.2	2515.5	2511.2	2355.0	2341.1	2083.2
20°	2116.4	2121.7	2149.5	2221.2	2333.6	2501.6	2688.8	2756.2	2591.4	2571.1	2250.1
22.5°	2200.9	2203.0	2215.9	2260.8	2365.7	2572.2	2865.3	3041.9	2870.7	2843.9	2437.4
25°	2338.9	2337.8	2343.2	2350.7	2427.7	2643.9	3035.5	3363.9	3190.6	3161.7	2649.2
27.5°	2514.4	2514.4	2527.2	2505.8	2536.9	2732.7	3203.4	3734.1	3562.9	3522.3	2881.4
30°	2720.9	2719.8	2749.8	2715.5	2725.2	2872.8	3384.3	4137.5	4012.3	3962.0	3148.9
32.5°	3001.2	2994.8	3029.0	2982.0	2949.9	3084.7	3604.7	4559.1	4550.5	4473.5	3484.8
35°	3355.4	3344.7	3355.4	3309.4	3251.6	3381.1	3893.6	4979.6	5147.5	5066.2	3885.0
37.5°	3707.4	3741.6	3753.4	3674.2	3627.1	3756.6	4241.3	5356.2	5717.8	5633.3	4301.2
40°	4122.5	4111.8	4152.5	4063.7	4033.7	4177.1	4581.5	5636.5	6169.4	6089.1	4671.4
42.5°	4428.5	4447.8	4498.1	4448.9	4425.3	4560.1	4867.2	5800.2	6482.8	6403.7	4935.7
45°	4795.5	4809.4	4828.7	4788.0	4763.4	4896.1	5073.7	5871.9	6721.4	6635.8	5113.3
47.5°	5192.5	5203.2	5203.2	5119.7	5040.5	5095.1	5211.7	5912.6	6940.8	6858.4	5244.9
50°	5477.1	5482.4	5529.5	5470.7	5298.4	5213.9	5274.9	5952.1	7086.3	7009.3	5287.7
52.5°	5224.6	5218.2	5373.3	5495.3	5541.3	5373.3	5384.0	6009.9	7156.9	7090.6	5321.9
55°	4399.6	4388.9	4607.2	4903.6	5309.1	5524.2	5515.6	6044.2	7235.0	7194.4	5446.1
57.5°	3189.5	3171.3	3475.2	3804.8	4336.5	4919.6	5262.0	6024.9	7269.3	7266.1	5590.5
60°	1917.4	1902.4	2189.1	2535.8	2946.7	3533.0	4101.1	5396.8	6811.3	6817.7	5215.0
62.5°	1180.2	1194.1	1453.0	1629.5	1782.5	1959.1	2287.6	3630.4	5045.9	5087.6	3664.6
65°	793.9	804.6	1044.3	1266.8	1266.8	1035.7	889.1	1735.5	2692.0	2621.4	1733.3
67.5°	532.8	544.6	734.0	994.0	1031.4	722.2	360.6	517.9	750.0	727.6	429.1
70°	313.5	326.3	489.0	681.6	751.1	502.9	240.7	219.3	212.9	206.5	166.9
72.5°	140.2	145.5	249.3	346.7	316.7	211.9	170.1	175.5	165.8	162.6	135.9
75°	42.8	44.9	64.2	74.9	76.0	76.0	102.7	138.0	130.5	131.6	104.9
77.5°	10.7	10.7	17.1	16.0	8.6	7.5	19.3	31.0	32.1	28.9	21.4
80°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1478.7	1478.7	1478.7	1478.7	1478.7	1478.7	1478.7	1478.7	1478.7	1478.7	1478.7
2.5°	1499.0	1471.2	1453.0	1427.3	1409.1	1389.9	1372.7	1358.8	1351.4	1349.2	1350.3
5°	1533.2	1489.4	1446.6	1397.4	1363.1	1331.0	1305.3	1285.0	1275.4	1272.2	1272.2
7.5°	1585.7	1524.7	1448.7	1371.7	1313.9	1263.6	1233.7	1211.2	1202.6	1200.5	1194.1
10°	1654.1	1570.7	1445.5	1325.7	1244.4	1191.9	1170.5	1164.1	1167.3	1168.4	1167.3
12.5°	1736.5	1618.8	1425.2	1258.3	1170.5	1138.4	1140.6	1157.7	1176.9	1186.6	1188.7
15°	1824.3	1662.7	1379.2	1178.0	1107.4	1106.3	1137.4	1176.9	1214.4	1230.4	1234.7
17.5°	1922.7	1698.0	1308.6	1092.4	1052.8	1083.9	1139.5	1200.5	1250.8	1277.5	1282.9
20°	2030.8	1726.9	1218.7	1012.2	1004.7	1060.3	1137.4	1212.3	1274.3	1304.3	1309.6
22.5°	2143.1	1747.2	1114.9	938.3	960.8	1033.6	1117.0	1189.8	1248.6	1282.9	1287.2
25°	2271.5	1749.4	1009.0	876.3	920.2	997.2	1067.8	1127.7	1176.9	1206.9	1210.1
27.5°	2383.9	1723.7	914.8	826.0	882.7	952.3	999.3	1032.5	1066.7	1083.9	1084.9
30°	2513.3	1678.8	826.0	785.3	844.2	896.6	920.2	927.6	930.9	934.1	929.8
32.5°	2667.4	1624.2	759.7	745.8	800.3	835.6	842.1	827.1	808.9	783.2	776.8
35°	2856.8	1575.0	705.1	707.2	752.2	773.6	768.2	736.1	700.8	669.8	664.4
37.5°	3062.2	1533.2	663.4	669.8	699.7	714.7	698.7	663.4	647.3	620.6	621.6
40°	3244.1	1499.0	625.9	632.3	646.3	660.2	634.5	610.9	640.9	638.8	640.9
42.5°	3373.6	1470.1	593.8	590.6	600.2	609.9	590.6	578.8	629.1	615.2	622.7
45°	3449.5	1443.4	567.1	547.8	562.8	579.9	567.1	552.1	569.2	505.0	499.7
47.5°	3500.9	1428.4	543.5	506.1	532.8	562.8	536.0	499.7	475.1	419.4	415.1
50°	3506.2	1420.9	515.7	463.3	497.5	529.6	498.6	448.3	413.0	388.4	385.2
52.5°	3534.1	1435.9	477.2	408.7	446.2	497.5	476.1	425.8	377.7	356.3	352.0
55°	3658.2	1499.0	413.0	333.8	388.4	472.9	457.9	379.8	333.8	321.0	317.8
57.5°	3786.6	1511.8	325.3	264.3	338.1	437.6	418.4	349.9	304.9	290.0	286.7
60°	3462.4	1245.4	243.9	218.3	298.5	404.4	387.3	331.7	279.3	261.1	257.9
62.5°	2274.7	673.0	193.7	185.1	251.4	342.4	353.1	299.6	249.3	230.0	229.0
65°	1048.6	312.4	148.7	146.6	196.9	272.8	303.9	262.1	210.8	193.7	193.7
67.5°	285.7	155.1	116.6	108.1	133.7	183.0	221.5	195.8	149.8	129.5	128.4
70°	142.3	125.2	104.9	93.1	96.3	113.4	130.5	109.1	76.0	62.1	61.0
72.5°	116.6	102.7	88.8	79.2	72.8	69.5	67.4	54.6	35.3	26.7	25.7
75°	86.7	73.8	63.1	51.4	43.9	40.7	36.4	26.7	15.0	8.6	7.5
77.5°	19.3	18.2	17.1	12.8	11.8	9.6	7.5	5.3	2.1	0.0	0.0
80°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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

(END OF REPORT)