

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: P629144

Luminaire Tested: GWS-SA1B-722-U-T2R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629144
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-722-U-T2R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1769.7 lumens
Efficiency: N/A
Efficacy: 70.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

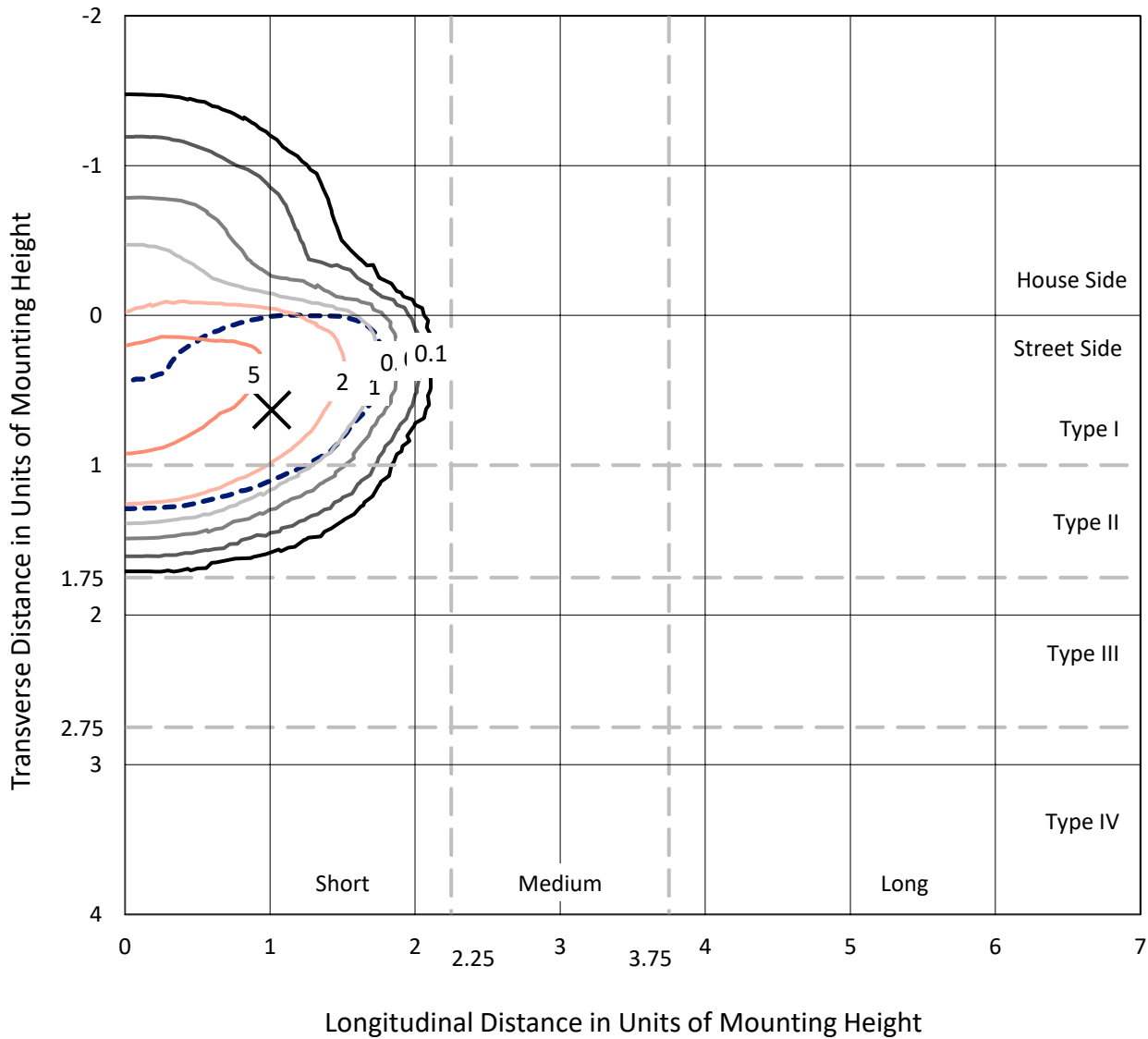
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

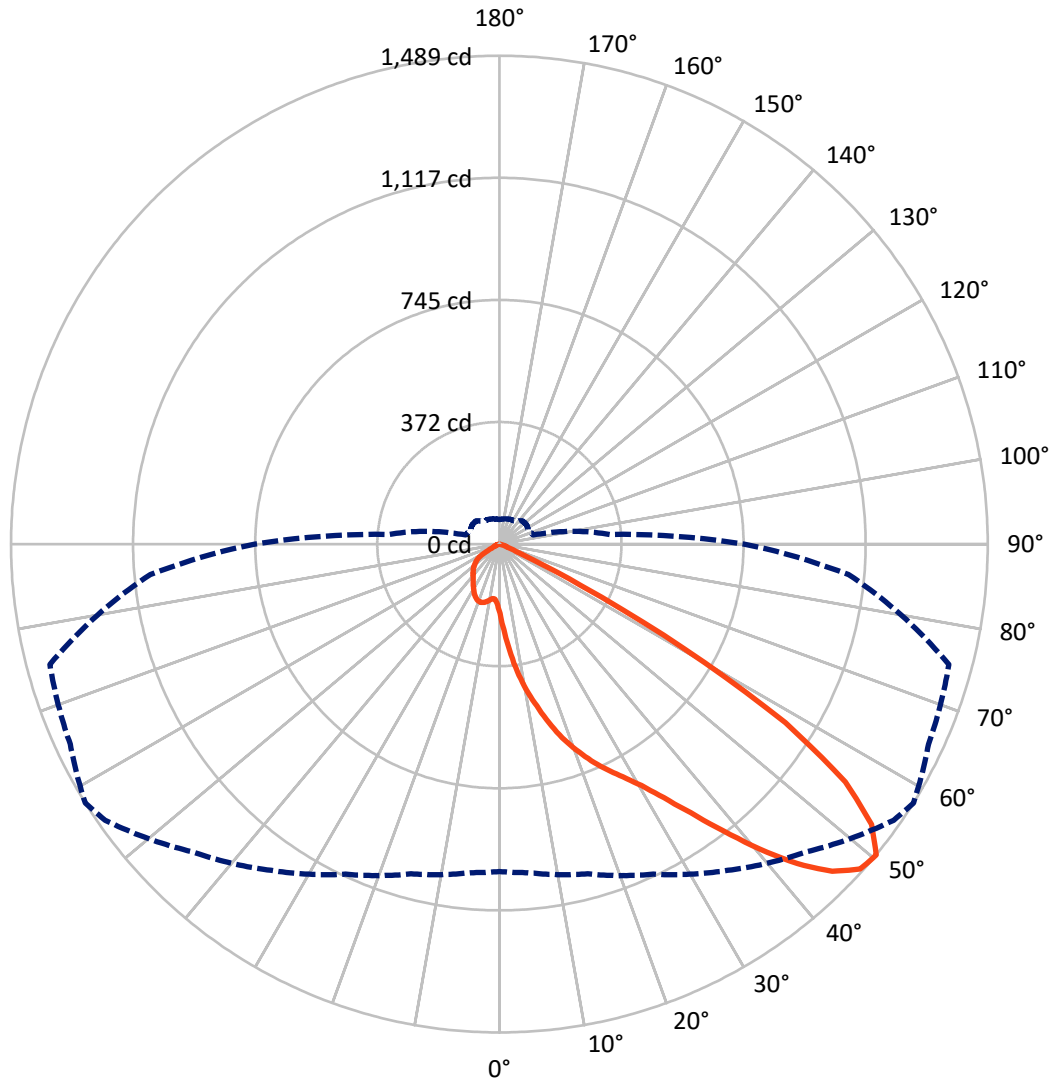
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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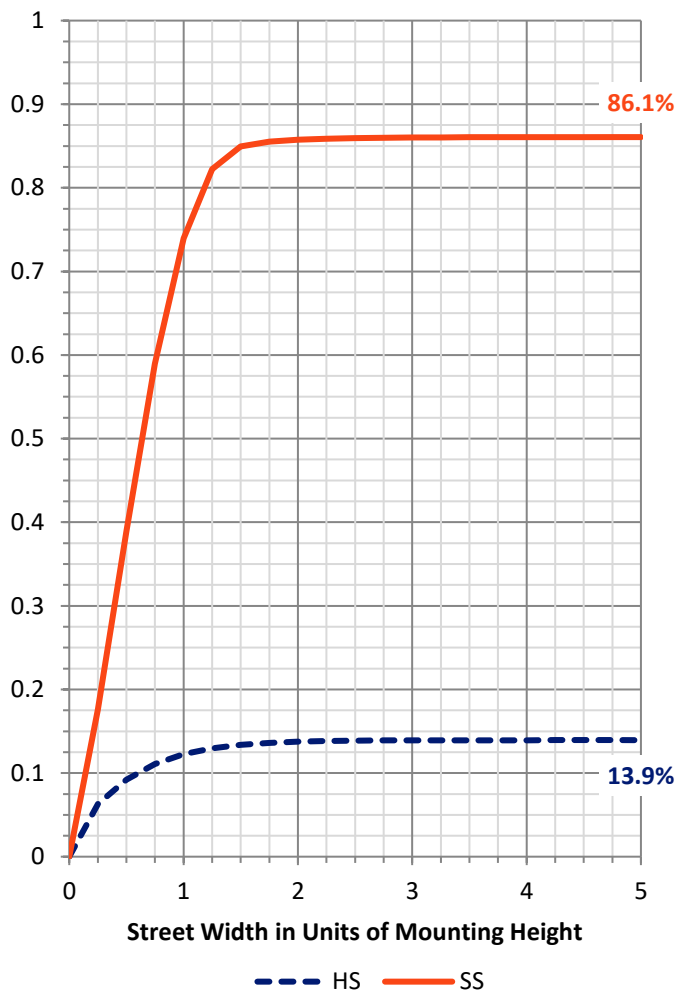
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	247.9	0.0	247.9
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	1521.8	0.0	1521.8
	% Fixture	86.0	0.0	86.0
Total	Lumens	1769.7	0.0	1769.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.2	1.5
10°-20°	103.7	5.9
20°-30°	209.8	11.9
30°-40°	371.1	21.0
40°-50°	541.0	30.6
50°-60°	433.6	24.5
60°-70°	78.1	4.4
70°-80°	6.2	0.3
80°-90°	0.0	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°	1769.7	100.0
0°-180°	1769.7	100.0

Coefficient of Utilization

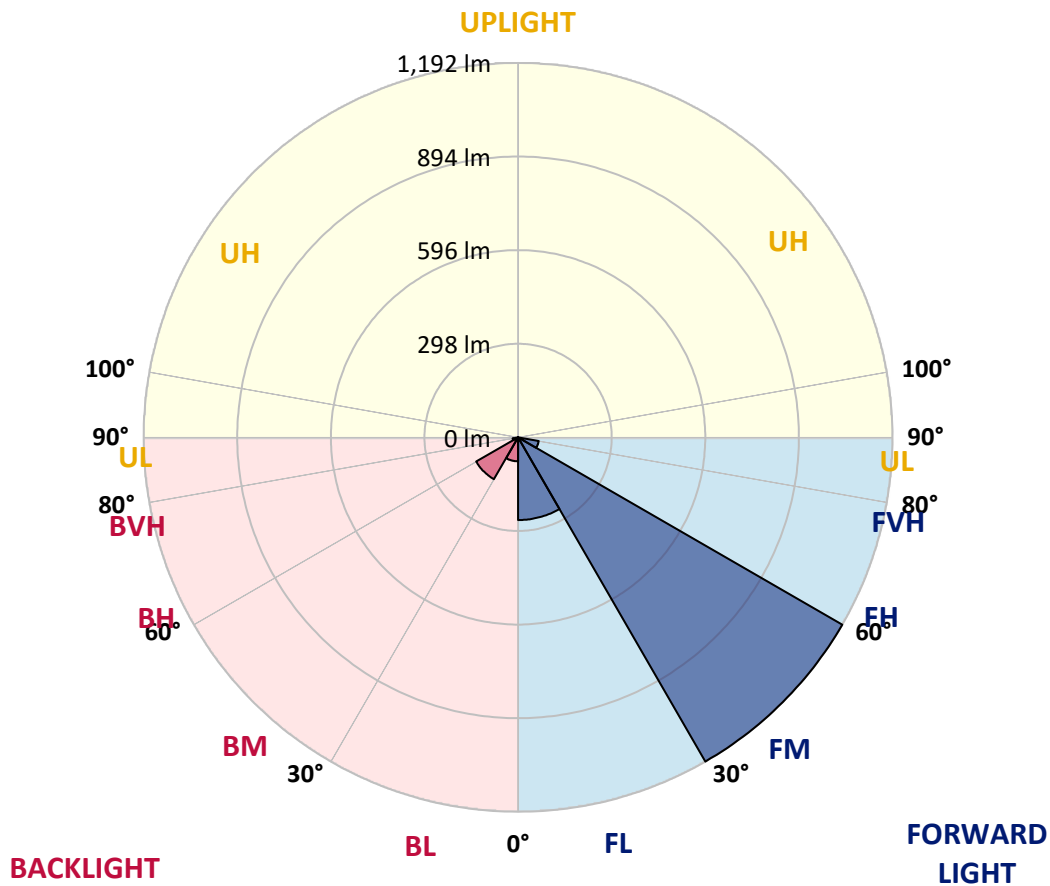


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	263.3	14.9			
FM (30°-60°)	1191.8	67.3			
FH (60°-80°)	66.7	3.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	76.3	4.3	B0/110		
BM (30°-60°)	153.9	8.7	B0/220		
BH (60°-80°)	17.6	1.0	B0/110		G0/110
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: B0-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	211.4	211.4	211.4	211.4	211.4	211.4	211.4	211.4	211.4	211.4	211.4
2.5°	312.8	307.9	305.1	302.8	292.8	276.9	266.5	261.0	251.9	236.6	223.3
5°	408.2	404.6	398.0	393.4	380.6	358.1	334.8	325.5	304.9	270.2	239.2
7.5°	471.4	468.8	466.3	460.2	448.1	427.7	402.0	392.3	360.5	311.3	260.4
10°	520.0	518.0	515.1	514.9	505.5	487.1	461.9	451.9	417.5	356.0	285.4
12.5°	562.8	561.1	560.5	565.8	559.8	546.2	518.9	506.4	469.9	401.6	313.0
15°	592.2	591.8	594.2	604.6	608.0	601.8	578.9	565.5	523.5	447.4	343.5
17.5°	605.6	606.7	611.5	629.4	644.6	649.9	632.3	620.9	576.6	493.7	376.0
20°	628.5	628.1	630.9	648.0	666.5	685.4	680.1	670.5	630.4	542.8	412.2
22.5°	693.0	687.5	681.5	684.1	690.7	712.9	722.7	717.8	685.8	593.1	449.5
25°	792.2	786.5	767.0	748.1	735.6	745.6	759.1	761.5	740.9	644.8	488.4
27.5°	897.4	892.3	870.3	842.0	806.2	788.8	798.8	803.7	795.0	706.3	529.9
30°	996.0	989.2	965.2	930.0	888.5	861.8	850.5	853.9	859.0	779.1	578.5
32.5°	1081.5	1076.4	1047.7	1010.6	970.6	942.8	916.3	922.0	934.5	868.3	640.8
35°	1154.0	1151.4	1120.9	1084.0	1041.8	1027.6	1004.9	1006.0	1018.5	975.9	716.7
37.5°	1217.0	1212.5	1184.9	1150.6	1117.1	1114.8	1108.6	1109.2	1115.6	1101.4	803.9
40°	1256.8	1252.6	1232.9	1211.7	1187.9	1188.3	1220.6	1223.1	1215.7	1224.6	896.1
42.5°	1271.7	1268.7	1258.1	1258.3	1255.8	1267.0	1327.7	1332.3	1305.8	1321.3	974.8
45°	1245.8	1244.5	1245.2	1272.5	1302.0	1336.5	1415.4	1423.3	1385.8	1385.5	1036.3
47.5°	1162.2	1159.5	1181.7	1228.0	1296.3	1363.3	1468.4	1480.7	1441.9	1422.2	1074.9
50°	998.3	1005.8	1040.9	1110.5	1214.4	1326.4	1467.8	1489.2	1443.9	1419.0	1068.5
52.5°	723.1	721.6	798.2	894.0	1020.4	1208.3	1389.8	1421.0	1393.4	1387.4	1054.1
55°	393.4	407.3	458.9	585.7	743.5	984.8	1211.7	1279.9	1311.9	1375.8	1080.0
57.5°	144.6	150.6	183.0	272.7	393.6	612.4	925.6	1028.4	1127.1	1343.6	1075.7
60°	58.3	59.4	72.3	100.3	165.4	311.7	555.2	646.5	739.6	1028.6	825.5
62.5°	42.4	43.9	49.0	58.7	83.6	136.3	239.4	278.4	304.3	509.4	406.7
65°	34.3	35.4	39.6	43.9	55.3	73.2	77.2	74.4	74.0	131.7	93.3
67.5°	28.4	29.5	32.6	35.6	39.7	36.5	26.5	27.8	22.7	22.5	18.4
70°	20.8	22.1	25.2	28.4	23.8	9.8	15.3	22.7	17.2	14.4	14.0
72.5°	15.7	16.7	19.5	18.5	7.0	3.8	10.2	16.5	13.2	10.6	10.4
75°	11.7	12.3	9.8	3.0	0.8	0.9	3.8	6.8	7.4	6.1	6.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.6	0.8	0.9	1.1
80°	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	211.4	211.4	211.4	211.4	211.4	211.4	211.4	211.4	211.4	211.4	211.4
2.5°	215.7	207.8	196.4	187.0	179.8	172.8	167.5	162.2	162.0	159.3	158.8
5°	224.8	210.4	189.6	174.7	165.6	160.1	156.3	154.4	153.5	152.5	152.2
7.5°	237.9	217.3	188.5	172.6	165.0	161.4	158.8	157.6	157.1	156.3	156.1
10°	254.0	227.1	192.7	176.6	169.9	166.5	163.7	162.0	161.0	159.7	159.3
12.5°	273.3	239.2	199.3	183.2	176.2	171.6	167.9	165.4	164.1	162.4	162.0
15°	294.1	252.3	206.7	189.2	180.9	175.1	170.3	166.5	164.1	162.0	161.4
17.5°	315.7	265.5	213.3	193.4	183.2	176.2	169.4	164.3	161.2	158.6	157.8
20°	339.9	279.1	217.6	194.2	182.4	173.2	165.2	158.8	155.7	152.2	151.4
22.5°	365.2	291.8	219.5	192.5	178.3	167.5	159.0	152.3	148.0	144.2	143.1
25°	389.8	303.2	218.6	187.7	172.0	159.5	150.8	144.0	139.3	135.5	134.6
27.5°	416.0	312.6	215.2	180.7	163.5	150.8	142.5	136.6	132.3	128.1	127.2
30°	445.3	321.3	209.7	172.2	153.5	141.9	135.5	131.5	126.8	122.4	121.1
32.5°	480.7	329.1	201.7	162.0	144.6	134.2	130.6	127.6	122.1	117.5	116.6
35°	521.2	335.5	191.7	151.4	135.9	129.3	128.5	124.5	117.3	112.0	110.9
37.5°	568.1	341.8	179.8	141.0	129.4	127.0	127.2	120.4	111.7	105.2	104.5
40°	618.6	348.0	166.5	131.9	123.6	125.7	124.0	114.3	100.1	93.9	93.1
42.5°	671.3	354.8	153.1	123.4	118.7	120.5	118.1	102.2	92.0	88.8	88.4
45°	718.8	363.0	138.5	114.9	113.7	113.2	109.0	92.5	88.2	85.9	85.7
47.5°	753.0	361.6	123.0	106.7	108.4	106.5	93.9	88.0	84.4	81.4	80.6
50°	746.8	338.6	106.9	97.7	101.6	99.9	84.4	82.7	79.5	76.3	75.1
52.5°	730.9	307.1	92.9	88.0	94.2	90.3	78.0	76.3	73.4	69.3	67.9
55°	739.4	277.6	81.9	80.2	86.7	74.8	70.8	68.1	65.1	60.6	60.0
57.5°	711.9	226.5	65.9	67.0	76.6	63.8	62.1	57.9	52.8	49.8	49.4
60°	492.8	121.7	41.3	42.6	55.4	53.6	55.6	51.9	45.6	42.8	42.2
62.5°	226.3	48.8	22.5	21.6	29.1	36.3	47.7	47.3	39.6	35.0	34.6
65°	54.9	22.3	16.1	15.1	16.5	21.8	31.0	37.3	32.0	26.7	26.1
67.5°	17.8	18.2	14.8	13.8	14.6	16.3	18.5	20.6	20.4	18.7	18.4
70°	14.2	16.5	13.6	12.5	12.5	13.1	12.5	10.0	8.7	9.5	9.8
72.5°	10.6	12.5	10.8	9.7	9.3	9.1	7.8	5.7	4.0	3.6	3.4
75°	6.2	7.0	6.6	5.7	5.3	4.7	3.8	2.5	1.3	0.9	0.6
77.5°	1.1	1.3	1.5	1.1	0.9	0.8	0.6	0.2	0.0	0.0	0.0
80°	0.0	0.2	0.2	0.2	0.0	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)