

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: McGRAW-EDISON

Report Number: P945551

Luminaire Tested: **GALN-SB1C-722-U-SL3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945551
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1C-722-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4984 lumens
Efficiency: N/A
Efficacy: 91.6 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): 54.4
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



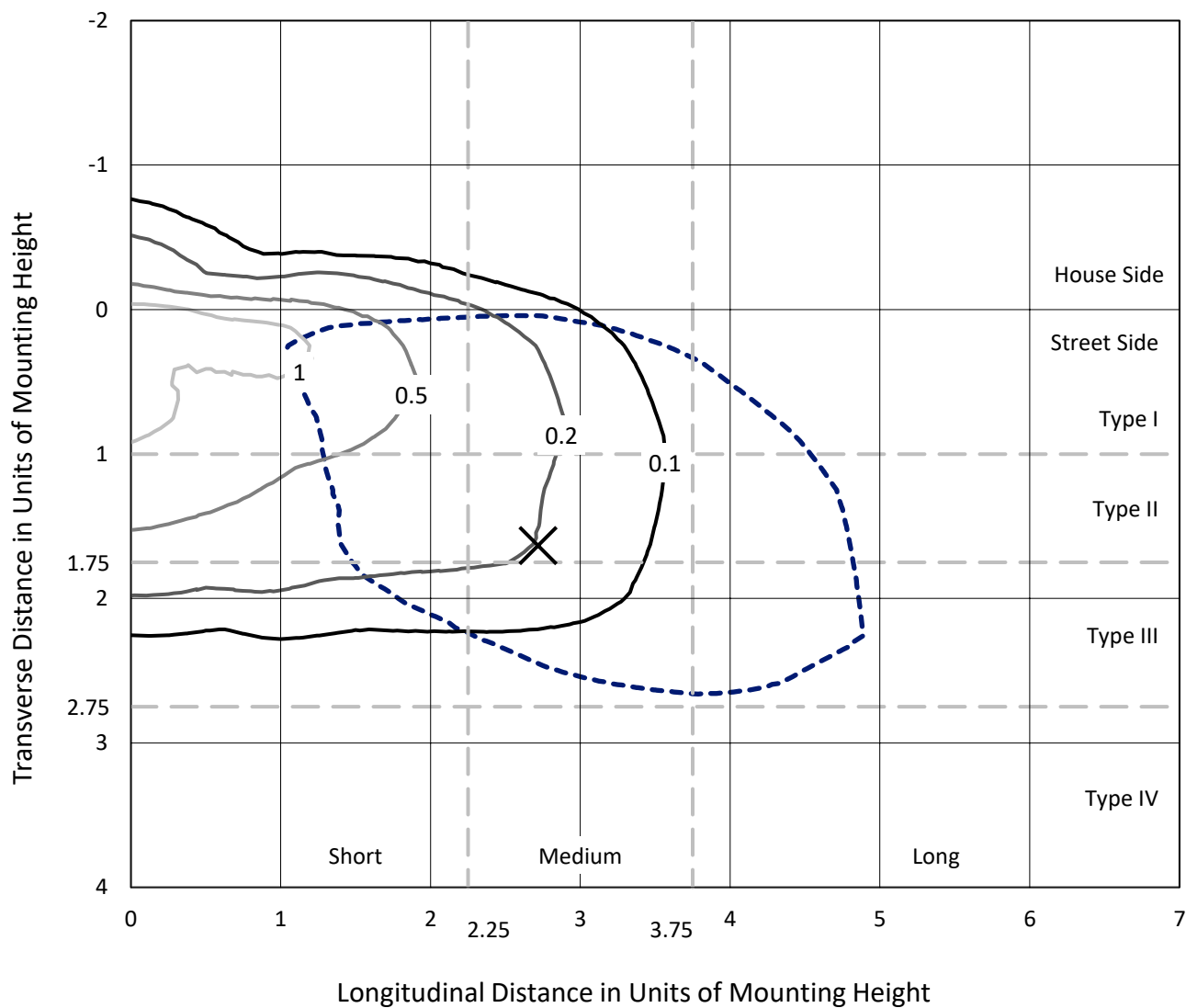
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Iso-Footcandle Lines of Horizontal Illumination

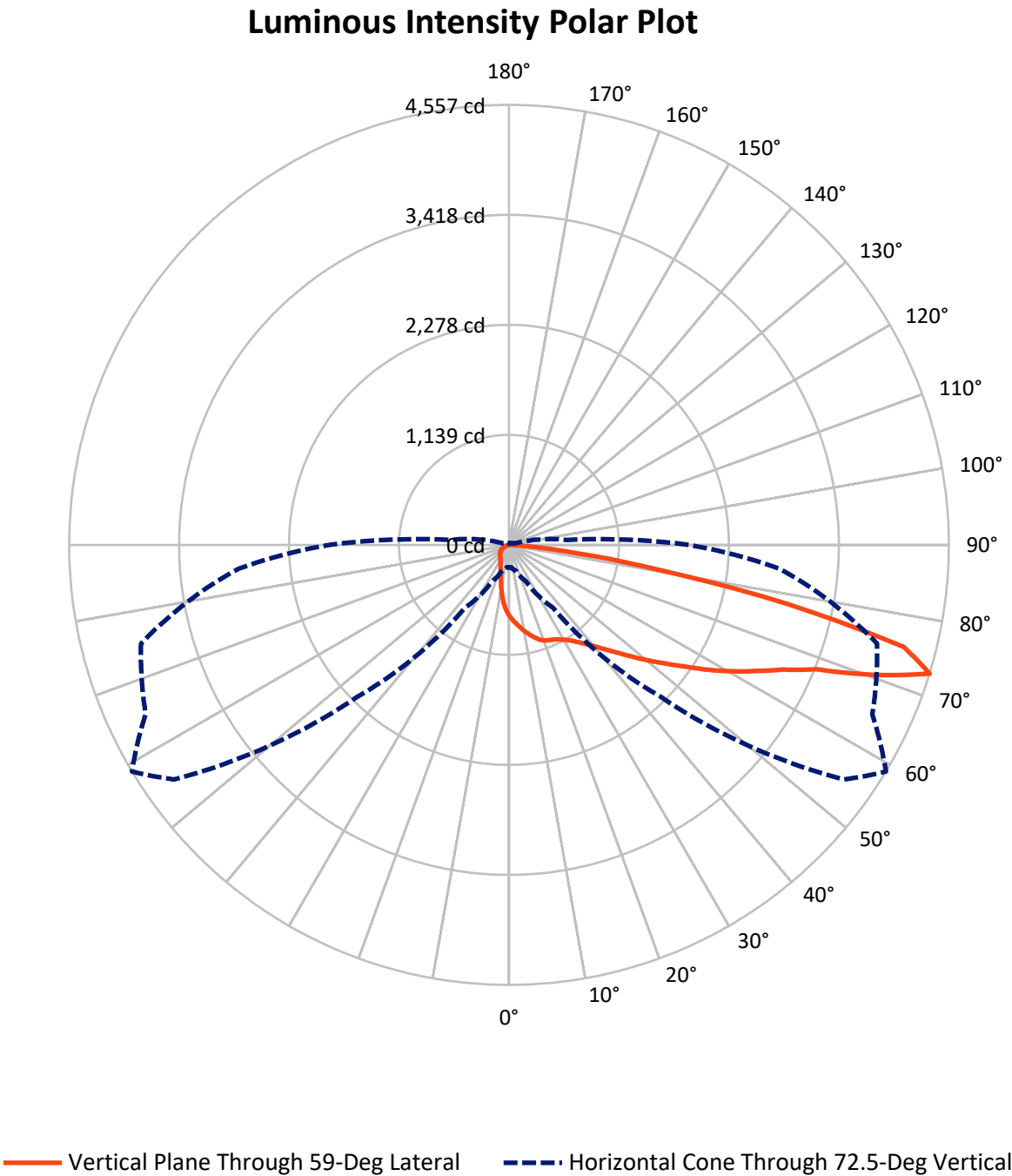
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type III - Medium - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	526.4	0.0	526.4
	% Fixture	10.6	0.0	10.6
Street Side	Lumens	4457.6	0.0	4457.6
	% Fixture	89.4	0.0	89.4
Total	Lumens	4984.0	0.0	4984.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.7	1.3
10°-20°	177.1	3.6
20°-30°	280.7	5.6
30°-40°	450.5	9.0
40°-50°	719.5	14.4
50°-60°	1041.7	20.9
60°-70°	1236.3	24.8
70°-80°	917.7	18.4
80°-90°	93.8	1.9
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°	4984.0	100.0
0°-180°	4984.0	100.0

Coefficient of Utilization



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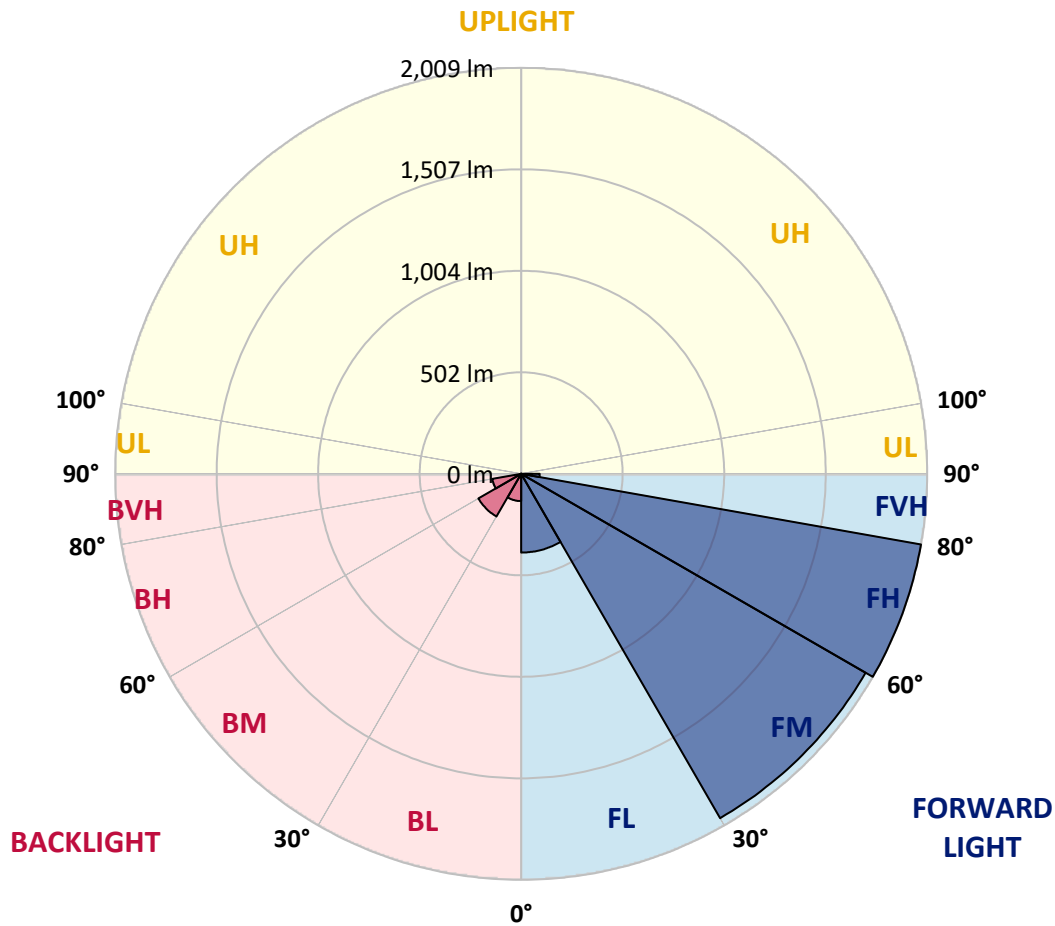
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	389.6	7.8			
FM	(30°-60°)	1967.6	39.5			
FH	(60°-80°)	2008.8	40.3			G2/5000
FVH	(80°-90°)	91.5	1.8			G1/100
BL	(0°-30°)	134.9	2.7	B1/500		
BM	(30°-60°)	244.1	4.9	B1/1000		
BH	(60°-80°)	145.2	2.9	B1/500		G1/500
BVH	(80°-90°)	2.3	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-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	737.0	737.0	737.0	737.0	737.0	737.0	737.0	737.0	737.0	737.0	737.0
2.5°	817.7	813.2	813.8	806.0	800.5	794.6	783.2	781.6	773.5	759.1	744.5
5°	889.0	886.0	883.4	874.7	863.3	849.0	829.8	822.9	808.0	783.2	754.6
7.5°	941.0	937.5	938.8	930.0	920.9	904.9	878.6	865.9	846.0	808.3	765.0
10°	951.1	949.2	957.6	960.9	960.9	950.8	925.1	912.4	883.4	835.3	775.7
12.5°	894.5	894.8	916.0	941.4	974.6	984.0	966.7	953.1	924.4	863.9	789.4
15°	828.5	828.8	849.3	881.8	936.2	990.5	1004.2	995.4	965.8	894.8	805.3
17.5°	788.8	787.1	800.8	827.5	884.4	960.9	1026.9	1032.8	1008.7	929.0	822.9
20°	783.2	780.3	787.5	800.8	841.5	923.8	1029.5	1057.2	1053.0	967.7	843.1
22.5°	817.1	812.5	808.6	809.3	826.5	892.9	1023.0	1070.9	1098.5	1014.2	870.8
25°	884.1	876.9	864.2	848.0	844.4	886.4	1018.5	1085.8	1140.8	1073.8	907.2
27.5°	966.1	956.0	931.6	907.2	886.4	904.6	1027.9	1109.6	1188.7	1143.1	949.5
30°	1056.2	1043.9	1019.5	973.3	940.1	945.3	1050.4	1140.8	1249.8	1221.5	1002.5
32.5°	1188.7	1160.0	1117.4	1046.8	1002.9	989.2	1084.2	1180.5	1325.7	1326.0	1079.3
35°	1302.2	1286.3	1243.3	1155.5	1065.3	1047.4	1128.8	1236.5	1430.8	1464.3	1186.7
37.5°	1376.7	1354.9	1317.2	1251.1	1162.3	1107.3	1188.3	1305.2	1542.0	1621.8	1319.1
40°	1460.0	1438.6	1388.5	1326.3	1274.9	1210.1	1263.5	1384.2	1664.1	1783.5	1470.5
42.5°	1560.6	1532.6	1473.4	1406.3	1352.7	1345.5	1361.8	1482.8	1789.3	1959.2	1627.9
45°	1678.7	1652.3	1584.3	1499.7	1452.6	1439.9	1485.4	1597.7	1928.9	2151.8	1787.1
47.5°	1789.3	1758.7	1685.5	1608.4	1556.0	1516.0	1616.9	1733.4	2087.1	2353.2	1937.4
50°	1883.4	1852.1	1785.1	1702.8	1667.3	1614.9	1746.1	1884.7	2243.9	2557.9	2074.7
52.5°	1947.8	1920.1	1841.4	1785.4	1761.4	1735.0	1897.4	2045.1	2400.1	2745.3	2210.4
55°	1933.2	1908.4	1839.1	1835.2	1833.6	1861.2	2078.3	2227.0	2559.2	2922.7	2345.4
57.5°	1886.6	1858.6	1772.1	1831.6	1889.2	1973.8	2274.2	2442.1	2733.6	3089.9	2475.6
60°	1749.6	1739.9	1687.2	1824.8	1912.7	2084.1	2498.0	2658.1	2922.4	3237.0	2591.1
62.5°	1459.7	1468.2	1467.8	1839.1	1955.0	2209.7	2701.4	2876.8	3106.9	3378.6	2693.9
65°	1093.0	1122.3	1159.7	1710.3	2011.6	2433.9	2944.5	3114.0	3294.3	3543.2	2798.4
67.5°	734.4	757.8	783.2	1403.1	1843.0	2669.5	3348.3	3439.1	3518.8	3725.7	2915.8
70°	420.4	427.9	463.4	876.3	1420.7	2604.4	4005.9	4038.8	3853.6	3950.6	3001.4
72.5°	235.6	233.0	279.8	415.9	794.0	2230.2	4236.3	4556.8	4153.3	3947.0	2810.4
75°	157.5	157.8	192.6	262.3	309.4	1561.2	3650.6	4225.2	3973.7	3499.9	2296.3
77.5°	107.4	111.0	141.5	202.7	143.2	761.7	2415.1	2959.8	3217.2	2702.7	1585.3
80°	46.5	46.9	93.4	145.5	96.6	242.4	1252.1	1585.6	2017.8	1517.6	628.0
82.5°	24.1	27.3	59.5	94.0	60.8	84.9	591.6	692.8	846.7	445.5	128.9
85°	8.5	10.1	36.8	46.2	30.6	30.3	206.0	209.9	179.3	67.0	35.5
87.5°	0.0	1.6	14.3	11.4	3.9	3.6	24.4	20.5	16.3	9.4	11.7
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°	737.0	737.0	737.0	737.0	737.0	737.0	737.0	737.0	737.0	737.0	737.0
2.5°	737.7	728.9	714.6	697.0	676.5	665.4	649.5	639.7	630.9	631.3	638.4
5°	738.6	724.0	687.6	648.8	605.9	574.3	539.2	514.4	495.6	491.0	497.9
7.5°	741.6	716.8	657.3	592.9	521.3	468.2	419.8	389.2	371.9	367.4	371.9
10°	745.5	709.0	623.1	524.5	435.7	371.9	331.6	312.1	304.2	298.4	302.0
12.5°	748.7	700.9	580.2	453.9	359.6	309.8	279.2	262.9	256.1	251.9	254.1
15°	754.3	690.2	533.6	388.2	308.1	267.5	238.5	226.5	224.5	225.2	226.1
17.5°	759.8	679.7	481.6	336.8	270.4	230.4	212.8	210.9	213.5	216.1	217.0
20°	766.0	664.8	428.9	298.1	235.6	204.7	200.1	201.4	202.7	207.3	208.6
22.5°	775.1	645.9	382.7	265.2	206.6	192.3	190.0	191.0	192.0	196.5	197.8
25°	788.1	625.7	345.2	234.9	188.4	182.2	179.9	179.9	181.2	185.5	187.1
27.5°	801.8	597.1	315.0	206.9	177.7	171.2	167.3	167.3	168.9	173.8	175.7
30°	817.1	571.1	291.2	186.1	168.6	160.1	154.9	153.6	155.5	161.7	163.3
32.5°	844.7	554.1	274.3	176.4	160.4	150.0	142.8	139.3	141.2	148.4	150.3
35°	886.7	550.2	262.6	171.5	152.6	140.9	130.8	125.3	126.9	134.4	136.7
37.5°	935.8	558.4	251.2	165.0	145.1	132.1	118.8	111.6	114.2	121.0	123.0
40°	1006.4	592.2	242.4	160.1	137.6	121.7	106.7	99.6	103.8	109.7	110.6
42.5°	1091.7	652.4	240.1	155.5	128.5	110.6	95.7	90.5	93.7	99.2	100.2
45°	1197.4	729.2	250.6	149.7	118.4	99.9	86.9	84.0	84.9	90.5	93.1
47.5°	1311.0	808.0	279.2	144.5	109.7	91.1	80.0	77.4	76.8	82.0	85.3
50°	1425.9	877.9	313.0	140.6	103.5	84.0	74.8	71.6	70.0	73.2	74.5
52.5°	1539.4	933.6	335.2	134.1	97.3	76.8	70.3	65.4	62.5	64.1	65.4
55°	1654.6	982.4	336.5	124.3	91.4	72.2	65.7	60.2	56.6	56.6	57.3
57.5°	1762.3	1025.3	317.3	111.3	83.3	68.0	59.5	55.0	51.1	49.8	50.1
60°	1857.7	1057.2	285.4	96.6	76.1	62.5	53.4	49.8	44.9	42.3	41.7
62.5°	1942.6	1072.8	241.8	81.7	67.4	56.0	47.5	43.6	37.1	33.8	33.5
65°	2014.5	1056.9	196.2	67.7	59.9	48.8	40.7	36.8	29.6	25.7	25.7
67.5°	2085.8	984.0	148.4	56.9	52.1	41.0	33.5	29.9	24.7	21.5	21.5
70°	2094.9	830.7	103.8	47.8	43.3	31.6	27.0	24.7	20.2	17.2	16.9
72.5°	1864.8	597.7	63.1	39.0	33.8	22.5	21.5	19.5	15.0	13.0	12.7
75°	1490.6	366.4	37.1	29.3	22.5	15.9	15.9	14.0	10.1	8.5	8.5
77.5°	1030.2	191.7	21.8	18.9	13.3	9.4	10.4	8.5	4.9	3.9	3.9
80°	412.6	72.9	11.7	8.8	6.2	4.2	3.6	2.0	1.0	0.7	1.0
82.5°	82.3	19.2	3.9	2.3	2.3	1.0	0.0	0.0	0.0	0.0	0.0
85°	21.2	4.2	1.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.5	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)