

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: P199925

Luminaire Tested: **GWC-AF-01-LED-E1-AFL-7030-800-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P199925
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24297)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-AF-01-LED-E1-AFL-7030-800-HSS
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3996.6 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short - Full Cutoff
BUG Rating: B0 - U0 - G0

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: 25 FT

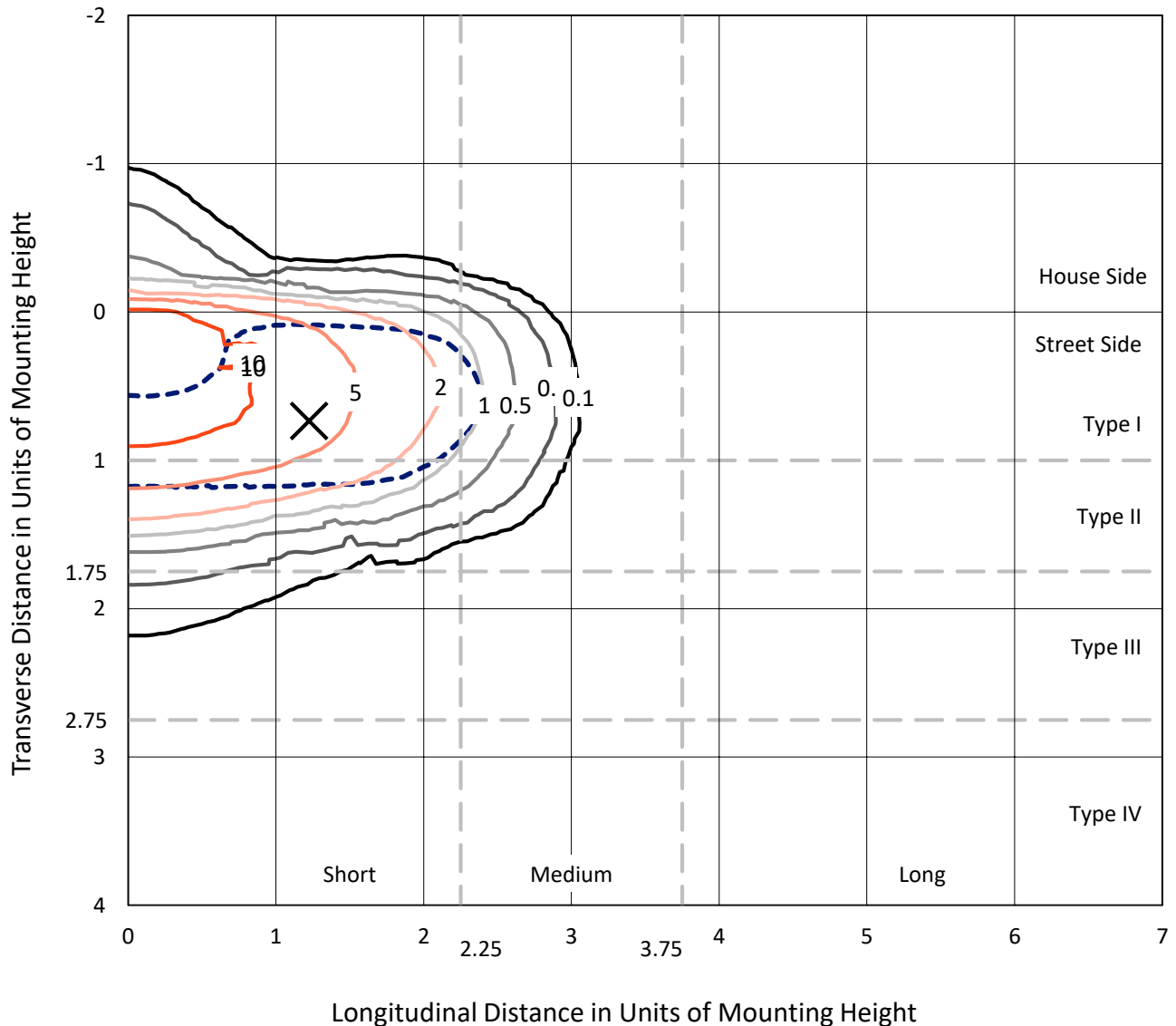


REPORT NUMBER: P199925

CATALOG NUMBER: GWC-AF-01-LED-E1-AFL-7030-800-HSS

Iso-Footcandle Lines of Horizontal Illumination

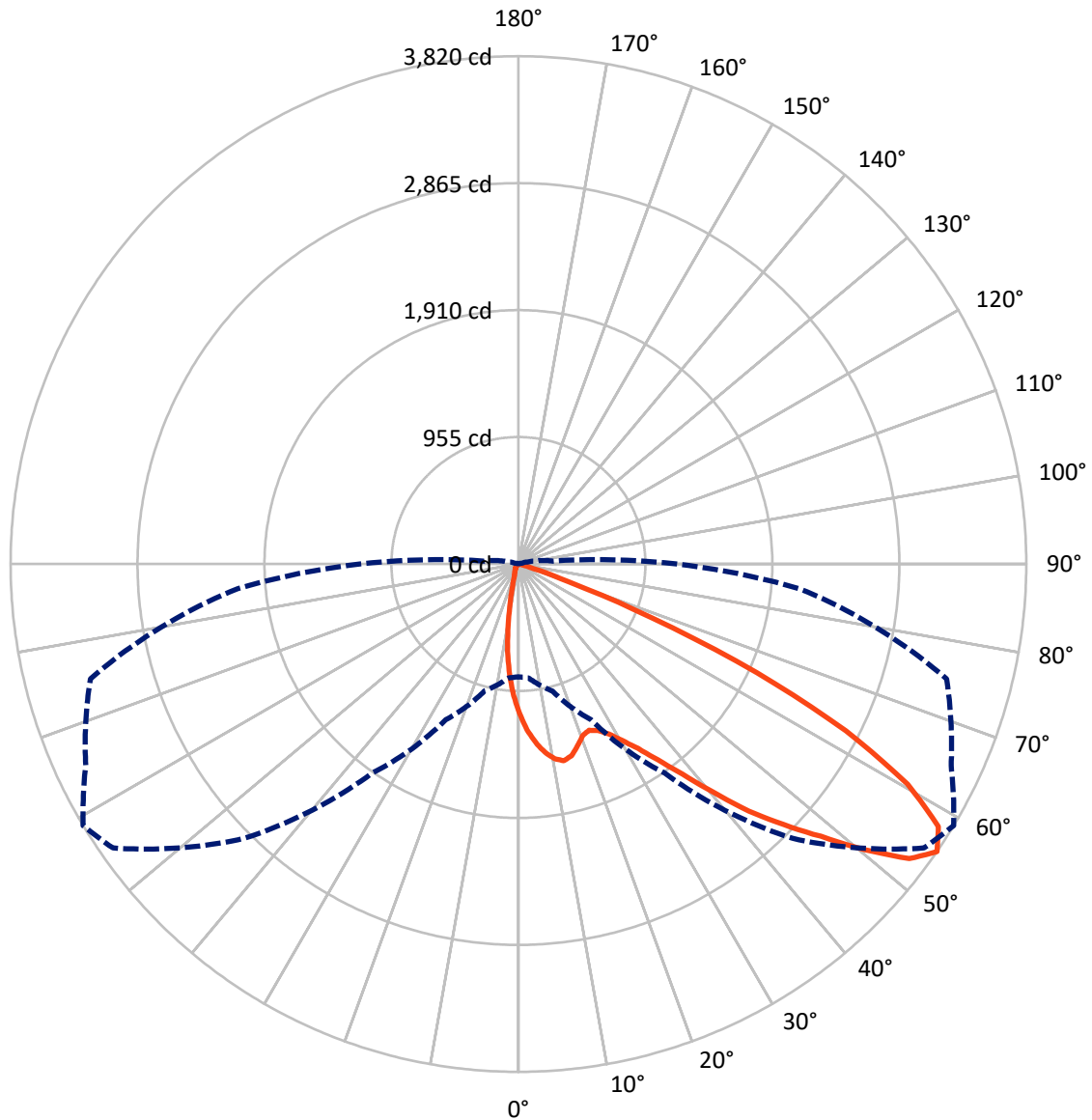
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14 fc
 Type II - Short - Full Cutoff

REPORT NUMBER: P199925
CATALOG NUMBER: GWC-AF-01-LED-E1-AFL-7030-800-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P199925

CATALOG NUMBER: GWC-AF-01-LED-E1-AFL-7030-800-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	223.2	0.0	223.2
	% Fixture	5.6	0.0	5.6
Street Side	Lumens	3773.4	0.0	3773.4
	% Fixture	94.4	0.0	94.4
Total	Lumens	3996.6	0.0	3996.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.2	2.4
10°-20°	225.6	5.6
20°-30°	383.9	9.6
30°-40°	660.3	16.5
40°-50°	1019.4	25.5
50°-60°	1024.8	25.6
60°-70°	525.5	13.1
70°-80°	56.9	1.4
80°-90°	6.0	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°	3996.6	100.0
0°-180°	3996.6	100.0

Coefficient of Utilization



REPORT NUMBER: P199925

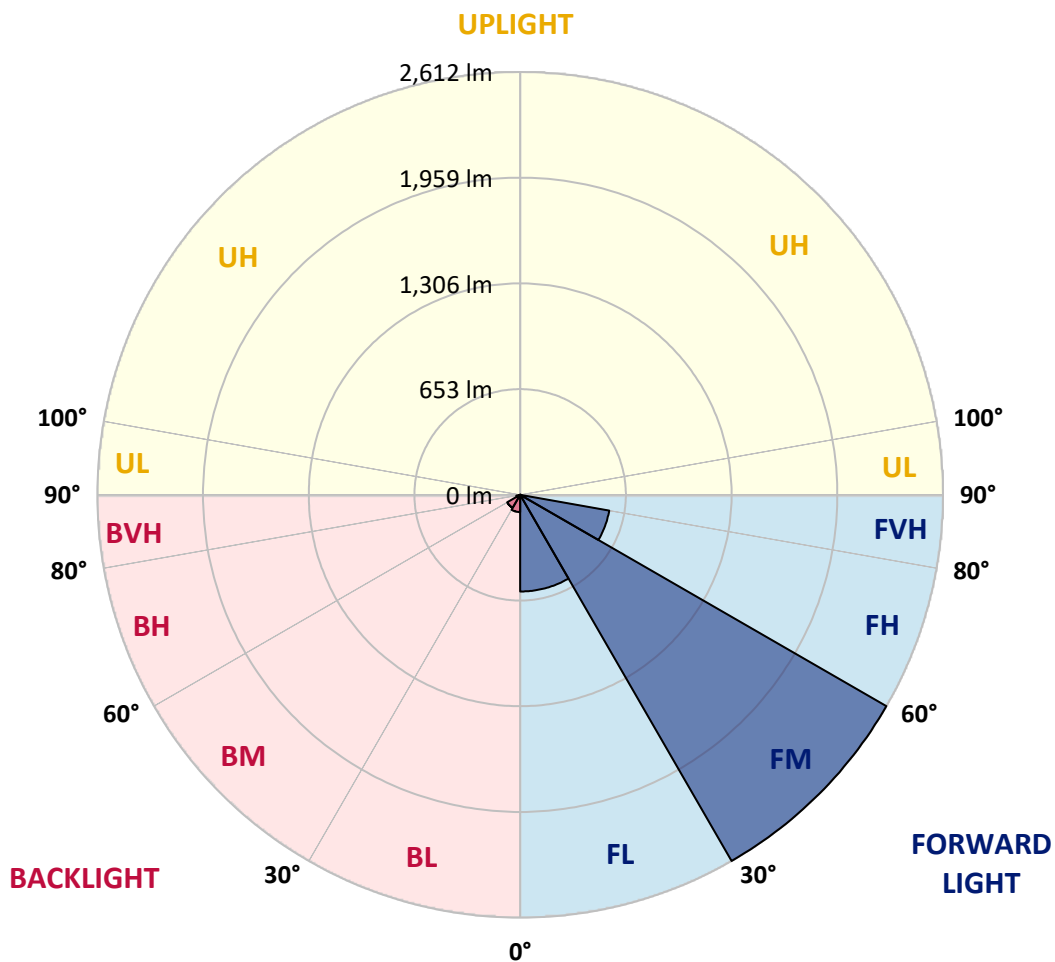
CATALOG NUMBER: GWC-AF-01-LED-E1-AFL-7030-800-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	597.2	14.9			
FM (30°-60°)	2611.8	65.3			
FH (60°-80°)	558.5	14.0			G0/660
FVH (80°-90°)	5.8	0.1			G0/10
BL (0°-30°)	106.6	2.7	B0/110		
BM (30°-60°)	92.6	2.3	B0/220		
BH (60°-80°)	23.9	0.6	B0/110		G0/110
BVH (80°-90°)	0.1	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





REPORT NUMBER: P199925

CATALOG NUMBER: GWC-AF-01-LED-E1-AFL-7030-800-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	1125.0	1125.0	1125.0	1125.0	1125.0	1125.0	1125.0	1125.0	1125.0	1125.0	1125.0
2.5°	1331.2	1317.0	1312.7	1309.9	1296.9	1280.7	1258.5	1248.2	1226.9	1192.8	1150.8
5°	1453.1	1450.5	1441.1	1435.9	1422.0	1398.9	1363.5	1346.5	1312.7	1255.3	1180.0
7.5°	1399.8	1416.1	1429.1	1450.8	1478.1	1477.2	1447.4	1429.8	1392.0	1316.1	1212.5
10°	1193.9	1207.2	1228.3	1277.6	1378.1	1466.8	1501.7	1489.0	1458.8	1372.0	1243.9
12.5°	1153.6	1152.2	1155.9	1170.3	1222.9	1349.4	1492.5	1518.2	1512.1	1423.1	1273.6
15°	1175.0	1173.4	1172.9	1177.8	1190.6	1243.9	1423.4	1497.3	1544.6	1470.5	1298.9
17.5°	1235.2	1228.1	1224.3	1220.4	1216.5	1229.7	1340.3	1438.5	1549.6	1512.1	1319.8
20°	1338.3	1326.5	1312.5	1289.9	1268.7	1262.0	1305.4	1378.1	1531.8	1543.7	1333.6
22.5°	1467.7	1452.7	1428.6	1387.3	1344.1	1319.2	1322.7	1359.0	1505.4	1578.1	1339.9
25°	1613.3	1593.9	1561.8	1504.6	1441.1	1396.7	1373.6	1386.4	1493.4	1618.4	1347.2
27.5°	1769.2	1747.7	1705.7	1627.7	1555.7	1495.8	1448.6	1447.0	1514.0	1671.3	1359.0
30°	1923.7	1920.3	1865.7	1783.1	1687.8	1614.9	1547.0	1538.3	1571.3	1744.4	1382.3
32.5°	2129.8	2105.0	2038.1	1953.1	1843.2	1755.7	1675.3	1655.0	1659.2	1829.6	1418.4
35°	2389.7	2362.5	2268.2	2151.0	2028.2	1924.8	1835.9	1808.3	1797.9	1968.9	1479.3
37.5°	2557.6	2557.2	2498.0	2378.6	2246.7	2132.9	2036.1	2003.8	1982.8	2137.3	1573.6
40°	2562.1	2573.2	2581.0	2579.8	2485.9	2381.0	2295.1	2255.2	2206.5	2362.3	1695.5
42.5°	2424.6	2453.2	2521.8	2638.2	2694.0	2652.2	2579.8	2540.6	2468.0	2603.1	1844.2
45°	2238.8	2258.6	2378.6	2593.2	2806.7	2921.1	2865.8	2795.8	2700.1	2854.4	1977.4
47.5°	2155.5	2159.0	2236.7	2472.3	2815.1	3141.3	3174.9	3060.9	2911.0	3056.7	2081.7
50°	1906.7	1913.0	2020.1	2262.5	2715.7	3245.4	3485.3	3377.2	3140.9	3212.6	2119.7
52.5°	1437.1	1446.0	1581.9	1918.0	2442.0	3201.1	3707.4	3681.3	3392.8	3288.8	2121.7
55°	847.9	859.7	989.4	1291.0	1920.8	2919.0	3723.9	3820.2	3591.6	3333.8	2118.5
57.5°	396.0	404.3	478.5	665.1	1194.6	2306.9	3475.4	3724.9	3701.3	3357.7	2141.8
60°	210.4	212.8	230.7	288.0	539.8	1462.8	2990.2	3363.6	3601.3	3390.6	2170.4
62.5°	160.9	161.5	160.6	167.4	226.8	649.3	2260.2	2765.2	3198.7	3365.9	2138.7
65°	139.4	140.6	133.9	132.3	145.5	231.6	1342.7	1971.0	2513.5	3031.7	1923.5
67.5°	125.0	125.5	117.5	110.6	113.0	125.2	529.7	1079.0	1663.7	2222.3	1394.1
70°	115.1	114.6	105.9	95.1	91.9	85.6	168.4	395.6	795.0	1126.9	648.4
72.5°	101.9	102.1	97.8	83.8	76.4	59.9	78.1	115.4	237.3	307.1	151.9
75°	90.3	89.1	84.0	75.0	62.9	39.4	38.7	51.4	73.1	72.6	32.8
77.5°	65.3	64.1	65.8	61.5	48.3	25.5	19.3	24.8	29.8	28.8	9.2
80°	47.9	47.2	42.4	51.2	42.6	17.4	12.0	13.2	15.4	13.0	2.8
82.5°	32.8	32.5	30.0	28.4	24.3	10.6	7.5	8.3	9.9	7.3	1.4
85°	5.2	5.9	21.7	17.2	14.4	4.7	5.2	5.7	6.6	4.0	0.4
87.5°	0.0	0.0	10.1	8.9	2.8	1.9	3.1	3.3	3.3	2.1	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



REPORT NUMBER: P199925

CATALOG NUMBER: GWC-AF-01-LED-E1-AFL-7030-800-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1125.0	1125.0	1125.0	1125.0	1125.0	1125.0	1125.0	1125.0	1125.0	1125.0	1125.0
2.5°	1129.3	1105.7	1062.0	1017.0	975.3	925.5	891.3	865.6	835.8	827.9	845.3
5°	1137.0	1092.4	998.6	896.5	800.5	694.2	612.8	548.3	490.1	470.3	488.3
7.5°	1149.4	1083.1	929.9	761.8	594.8	428.8	315.1	240.4	192.7	178.5	186.1
10°	1161.6	1069.3	850.5	602.3	374.1	208.7	135.9	108.5	98.4	96.2	97.4
12.5°	1171.7	1051.0	753.6	428.3	200.0	111.8	88.9	84.4	83.0	83.0	83.5
15°	1177.8	1023.2	638.8	272.4	115.1	84.4	77.5	76.2	76.2	76.4	76.9
17.5°	1177.2	987.7	513.0	164.9	86.1	74.8	70.8	69.6	69.4	69.8	70.0
20°	1168.5	941.5	386.8	108.7	75.0	68.2	64.1	62.1	61.8	62.3	62.7
22.5°	1151.9	884.5	276.7	83.8	67.7	61.8	56.8	55.0	55.0	55.4	55.9
25°	1131.9	814.7	189.1	71.0	61.1	55.0	50.3	48.5	49.1	50.3	50.5
27.5°	1106.8	736.1	128.6	60.9	53.1	48.1	44.6	43.4	44.6	46.2	46.7
30°	1085.5	654.2	91.7	52.6	45.0	41.5	39.4	39.4	41.0	44.1	44.8
32.5°	1068.9	575.1	70.8	46.5	39.2	36.1	34.9	36.1	38.7	41.8	42.4
35°	1066.8	509.6	59.9	41.5	34.9	31.8	31.4	33.5	36.1	38.5	38.9
37.5°	1083.1	449.3	54.0	37.5	31.1	28.4	27.8	30.4	33.0	35.9	36.5
40°	1113.9	401.9	49.7	33.7	28.0	25.0	24.1	26.0	29.4	33.3	34.2
42.5°	1154.1	362.7	45.0	30.0	25.0	20.7	19.5	21.7	25.5	29.4	30.6
45°	1192.2	329.0	39.8	25.7	20.9	16.0	15.6	18.4	20.3	24.3	25.2
47.5°	1213.3	299.3	35.3	20.9	16.3	13.0	13.0	13.6	15.6	20.3	21.3
50°	1206.2	275.5	30.6	15.6	11.3	9.9	9.9	9.7	12.5	16.3	17.0
52.5°	1192.0	261.8	26.4	12.0	7.7	7.1	6.3	7.1	8.7	10.4	10.6
55°	1189.9	259.4	22.1	9.7	5.5	4.7	3.5	3.5	3.5	3.3	2.8
57.5°	1206.4	263.3	18.6	7.7	4.0	3.1	1.9	0.0	0.0	0.0	0.0
60°	1223.4	267.2	16.0	5.5	2.8	1.6	0.2	0.0	0.0	0.0	0.0
62.5°	1195.1	258.3	13.4	3.3	2.1	0.8	0.0	0.0	0.0	0.0	0.0
65°	1049.8	219.9	10.6	2.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	746.7	147.1	7.1	1.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0
70°	340.8	61.5	4.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	72.9	19.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	14.8	14.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	4.7	21.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	2.8	15.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.4	2.4	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)