

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: P200565

Luminaire Tested: **GPC-AF-01-LED-E1-AFL-8030-800-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200565
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: GPC-AF-01-LED-E1-AFL-8030-800-HSS
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 80 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: 3430 lumens
Efficiency: N/A
Efficacy: 78.0 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

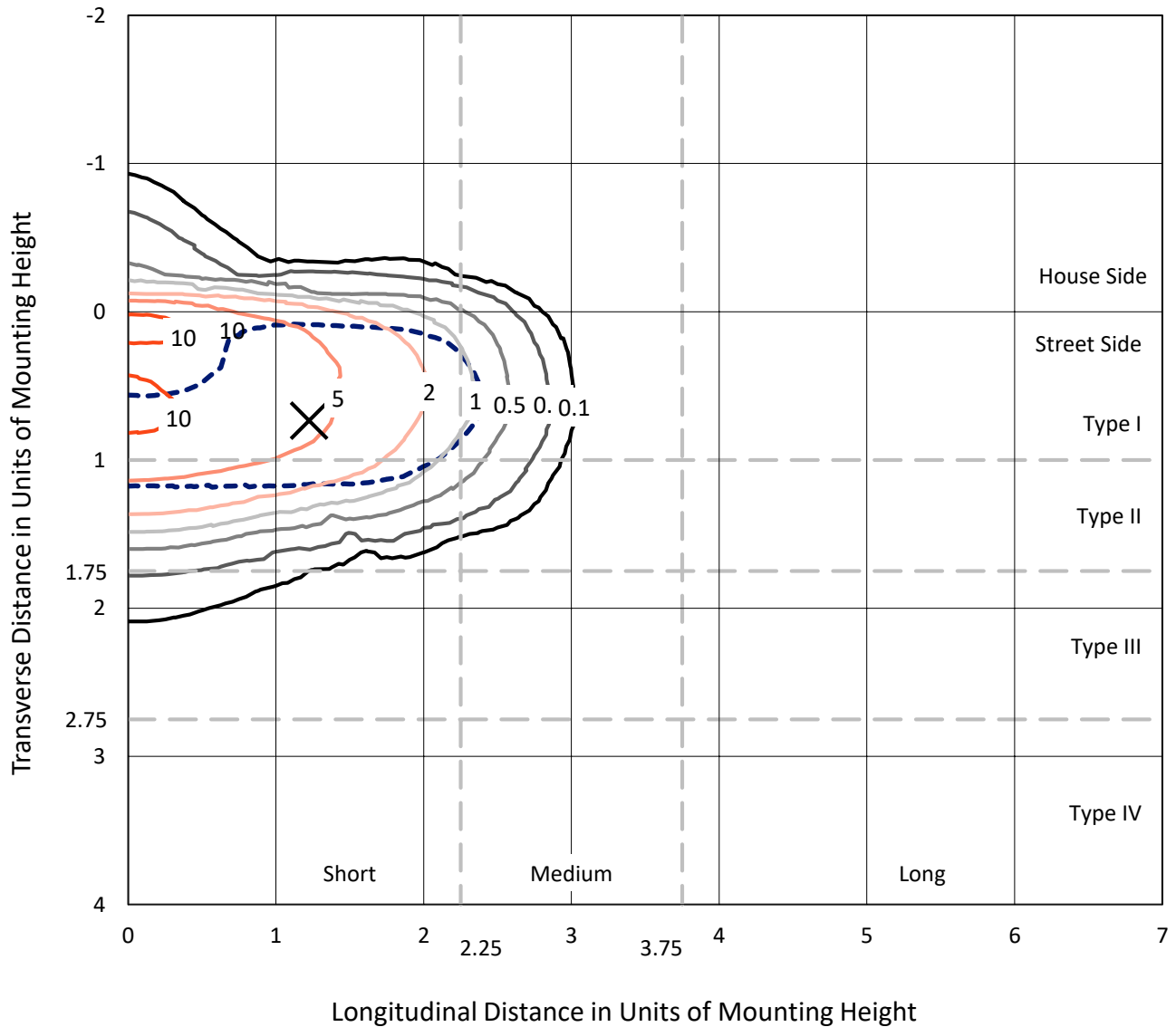


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

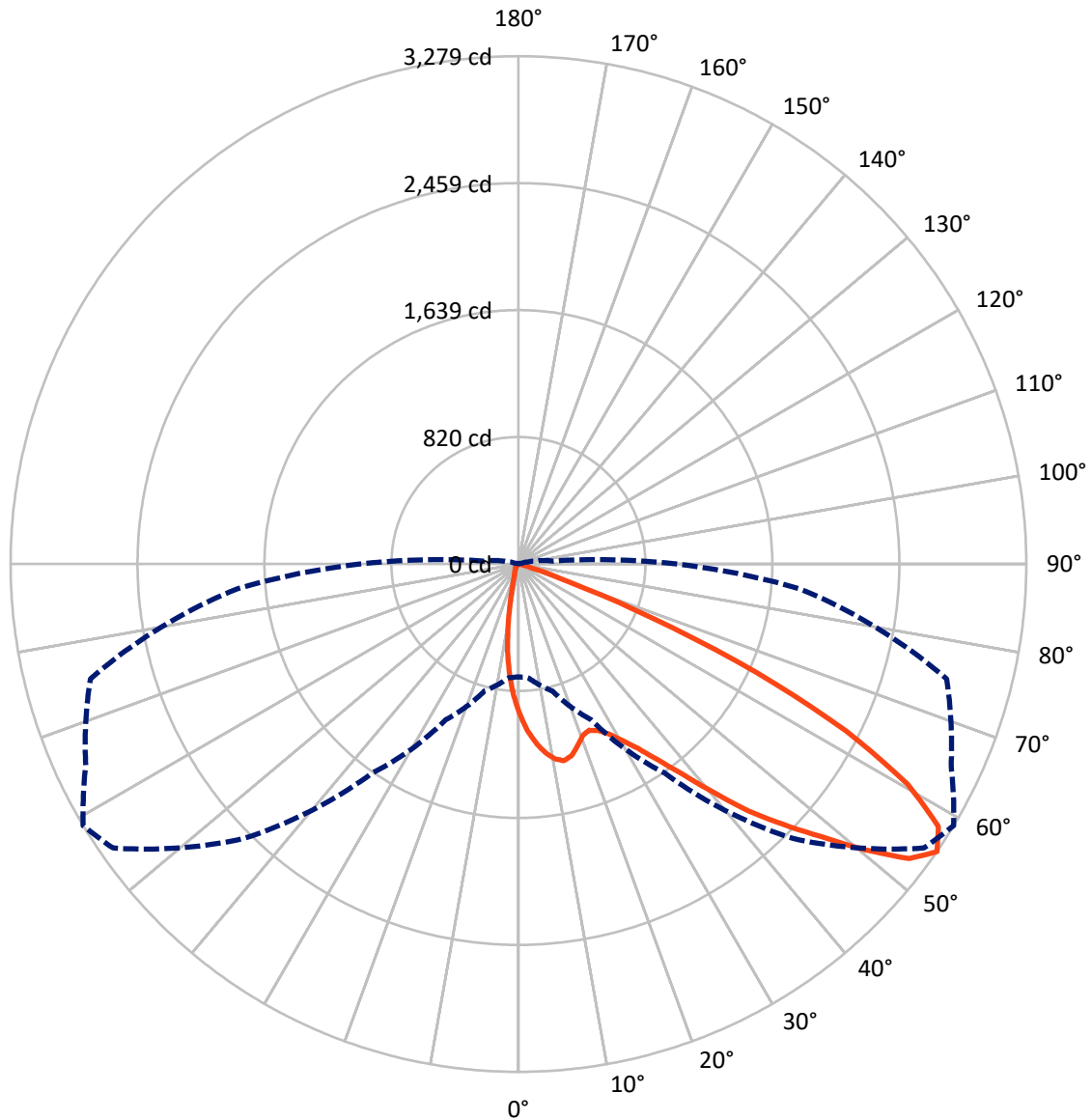


Based on 10 foot mounting height. Maximum calculated value = 12 fc
 Type II - Short - Full Cutoff

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	191.6	0.0	191.6
	% Fixture	5.6	0.0	5.6
Street Side	Lumens	3238.4	0.0	3238.4
	% Fixture	94.4	0.0	94.4
Total	Lumens	3430.0	0.0	3430.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.9	2.4
10°-20°	193.6	5.6
20°-30°	329.5	9.6
30°-40°	566.7	16.5
40°-50°	874.8	25.5
50°-60°	879.5	25.6
60°-70°	451.0	13.1
70°-80°	48.9	1.4
80°-90°	5.1	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°	3430.0	100.0
0°-180°	3430.0	100.0

Coefficient of Utilization



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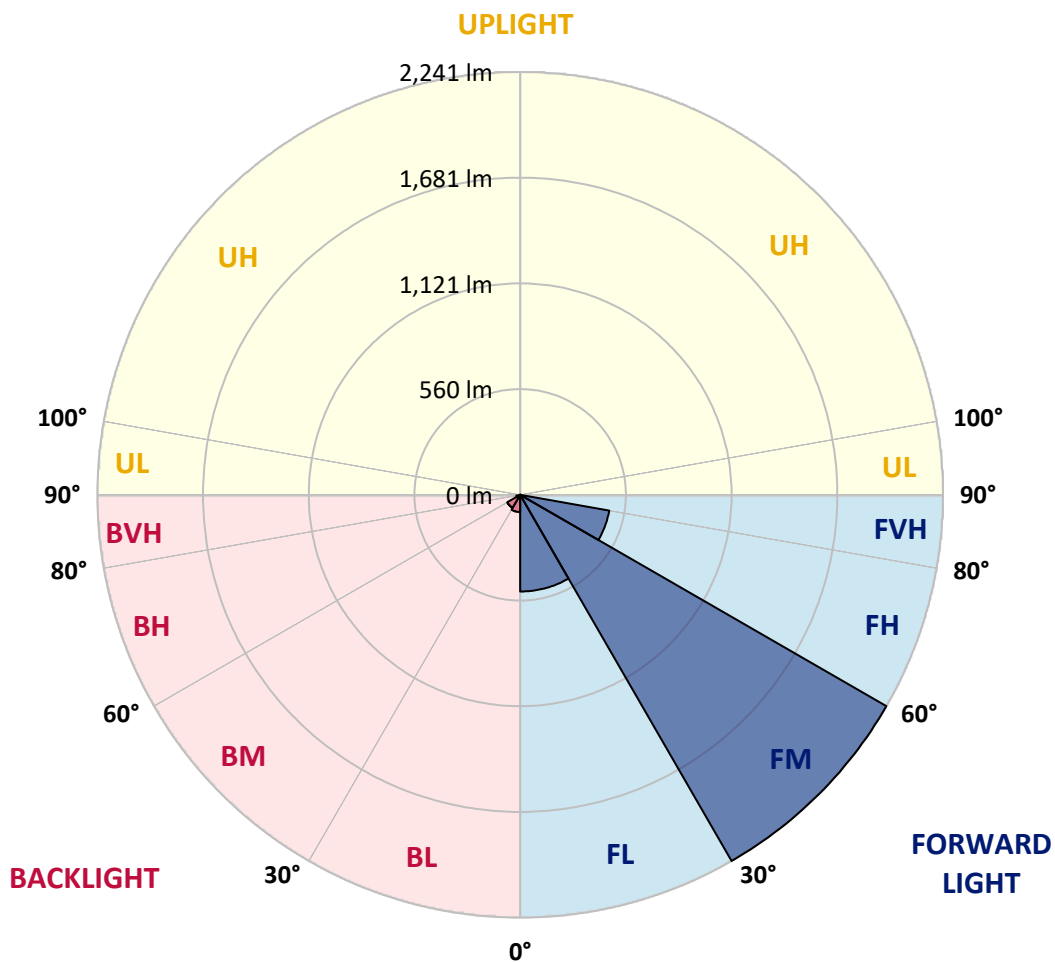
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	512.6	14.9			
FM (30°-60°)	2241.5	65.3			
FH (60°-80°)	479.4	14.0			G0/660
FVH (80°-90°)	5.0	0.1			G0/10
BL (0°-30°)	91.4	2.7	B0/110		
BM (30°-60°)	79.5	2.3	B0/220		
BH (60°-80°)	20.5	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	965.5	965.5	965.5	965.5	965.5	965.5	965.5	965.5	965.5	965.5	965.5
2.5°	1142.4	1130.3	1126.7	1124.2	1113.1	1099.1	1080.1	1071.2	1053.0	1023.6	987.6
5°	1247.1	1244.9	1236.8	1232.3	1220.4	1200.5	1170.2	1155.6	1126.7	1077.3	1012.7
7.5°	1201.3	1215.3	1226.4	1245.1	1268.6	1267.7	1242.2	1227.1	1194.7	1129.5	1040.6
10°	1024.6	1036.0	1054.2	1096.5	1182.7	1258.8	1288.8	1277.9	1252.0	1177.5	1067.6
12.5°	990.0	988.8	992.0	1004.4	1049.5	1158.0	1280.9	1303.0	1297.7	1221.4	1093.1
15°	1008.4	1007.0	1006.6	1010.9	1021.8	1067.6	1221.6	1284.9	1325.6	1262.1	1114.7
17.5°	1060.1	1054.0	1050.8	1047.3	1044.1	1055.4	1150.3	1234.5	1329.9	1297.7	1132.7
20°	1148.5	1138.4	1126.5	1107.0	1088.8	1083.1	1120.4	1182.7	1314.7	1324.8	1144.5
22.5°	1259.6	1246.7	1226.0	1190.6	1153.6	1132.1	1135.2	1166.3	1292.0	1354.4	1149.9
25°	1384.5	1367.9	1340.4	1291.2	1236.8	1198.7	1178.9	1189.8	1281.7	1389.0	1156.2
27.5°	1518.3	1499.9	1463.9	1396.9	1335.1	1283.7	1243.2	1241.8	1299.3	1434.3	1166.3
30°	1650.9	1648.1	1601.1	1530.3	1448.5	1386.0	1327.7	1320.2	1348.5	1497.1	1186.4
32.5°	1827.8	1806.6	1749.1	1676.2	1581.9	1506.8	1437.8	1420.4	1424.0	1570.2	1217.3
35°	2050.9	2027.6	1946.7	1846.0	1740.6	1651.9	1575.6	1551.9	1543.0	1689.8	1269.6
37.5°	2195.0	2194.6	2143.8	2041.4	1928.2	1830.5	1747.5	1719.7	1701.7	1834.3	1350.5
40°	2198.9	2208.4	2215.1	2214.0	2133.5	2043.4	1969.7	1935.5	1893.6	2027.4	1455.2
42.5°	2080.9	2105.3	2164.3	2264.2	2312.0	2276.2	2214.0	2180.4	2118.1	2234.1	1582.7
45°	1921.3	1938.4	2041.4	2225.6	2408.8	2506.9	2459.6	2399.5	2317.3	2449.7	1697.1
47.5°	1849.9	1852.9	1919.5	2121.7	2416.1	2696.0	2724.7	2627.0	2498.2	2623.3	1786.5
50°	1636.3	1641.8	1733.7	1941.8	2330.6	2785.3	2991.1	2898.4	2695.6	2757.1	1819.1
52.5°	1233.3	1241.0	1357.6	1646.1	2095.8	2747.2	3181.8	3159.3	2911.8	2822.5	1820.9
55°	727.7	737.8	849.1	1108.0	1648.5	2505.1	3196.0	3278.6	3082.4	2861.2	1818.1
57.5°	339.9	346.9	410.7	570.8	1025.2	1979.8	2982.6	3196.8	3176.5	2881.6	1838.2
60°	180.6	182.6	198.0	247.2	463.3	1255.4	2566.3	2886.7	3090.7	2910.0	1862.6
62.5°	138.0	138.7	137.8	143.7	194.7	557.3	1939.8	2373.1	2745.2	2888.7	1835.5
65°	119.6	120.6	115.0	113.6	124.9	198.8	1152.4	1691.6	2157.2	2601.9	1650.7
67.5°	107.3	107.7	100.8	94.9	97.0	107.5	454.6	926.1	1427.9	1907.2	1196.5
70°	98.8	98.4	90.9	81.6	78.9	73.5	144.5	339.5	682.4	967.2	556.4
72.5°	87.4	87.6	84.0	71.9	65.6	51.4	67.0	99.0	203.6	263.5	130.4
75°	77.5	76.5	72.1	64.4	54.0	33.8	33.2	44.1	62.7	62.3	28.1
77.5°	56.1	55.1	56.5	52.8	41.5	21.9	16.6	21.3	25.5	24.7	7.9
80°	41.1	40.5	36.4	43.9	36.6	15.0	10.3	11.3	13.2	11.1	2.4
82.5°	28.1	27.9	25.7	24.3	20.8	9.1	6.5	7.1	8.5	6.3	1.2
85°	4.5	5.1	18.6	14.8	12.3	4.0	4.5	4.9	5.7	3.4	0.4
87.5°	0.0	0.0	8.7	7.7	2.4	1.6	2.6	2.8	2.8	1.8	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°	965.5	965.5	965.5	965.5	965.5	965.5	965.5	965.5	965.5	965.5	965.5
2.5°	969.2	948.9	911.5	872.8	837.0	794.3	764.9	742.9	717.4	710.5	725.5
5°	975.9	937.6	857.0	769.4	687.0	595.7	525.9	470.6	420.6	403.6	419.0
7.5°	986.4	929.5	798.1	653.8	510.5	368.0	270.4	206.3	165.4	153.2	159.7
10°	996.9	917.8	729.9	517.0	321.0	179.1	116.6	93.1	84.4	82.6	83.6
12.5°	1005.6	902.0	646.7	367.6	171.7	95.9	76.3	72.5	71.3	71.3	71.7
15°	1010.9	878.1	548.1	233.8	98.8	72.5	66.6	65.4	65.4	65.6	66.0
17.5°	1010.3	847.7	440.3	141.5	73.9	64.2	60.7	59.7	59.5	59.9	60.1
20°	1002.8	808.1	332.0	93.3	64.4	58.5	55.1	53.2	53.0	53.4	53.8
22.5°	988.6	759.1	237.4	71.9	58.1	53.0	48.8	47.2	47.2	47.6	48.0
25°	971.4	699.2	162.3	60.9	52.4	47.2	43.1	41.7	42.1	43.1	43.3
27.5°	949.9	631.7	110.3	52.2	45.5	41.3	38.3	37.2	38.3	39.7	40.1
30°	931.5	561.5	78.7	45.1	38.7	35.6	33.8	33.8	35.2	37.9	38.5
32.5°	917.4	493.5	60.7	39.9	33.6	31.0	30.0	31.0	33.2	35.8	36.4
35°	915.5	437.4	51.4	35.6	30.0	27.3	26.9	28.7	31.0	33.0	33.4
37.5°	929.5	385.6	46.4	32.2	26.7	24.3	23.9	26.1	28.3	30.8	31.4
40°	956.0	344.9	42.7	28.9	24.1	21.5	20.6	22.3	25.3	28.5	29.4
42.5°	990.4	311.3	38.7	25.7	21.5	17.8	16.8	18.6	21.9	25.3	26.3
45°	1023.2	282.4	34.2	22.1	18.0	13.8	13.4	15.8	17.4	20.8	21.7
47.5°	1041.2	256.9	30.4	18.0	14.0	11.1	11.1	11.7	13.4	17.4	18.2
50°	1035.2	236.4	26.3	13.4	9.7	8.5	8.5	8.3	10.7	14.0	14.6
52.5°	1023.0	224.7	22.7	10.3	6.7	6.1	5.5	6.1	7.5	8.9	9.1
55°	1021.2	222.7	19.0	8.3	4.7	4.0	3.0	3.0	3.0	2.8	2.4
57.5°	1035.4	225.9	16.0	6.7	3.4	2.6	1.6	0.0	0.0	0.0	0.0
60°	1049.9	229.3	13.8	4.7	2.4	1.4	0.2	0.0	0.0	0.0	0.0
62.5°	1025.7	221.6	11.5	2.8	1.8	0.6	0.0	0.0	0.0	0.0	0.0
65°	901.0	188.7	9.1	2.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	640.9	126.3	6.1	1.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
70°	292.5	52.8	3.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	62.5	16.4	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	12.8	11.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	4.0	18.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	2.4	13.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.4	2.0	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)