

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: P200563

Luminaire Tested: **GPC-AF-01-LED-E1-AFL-8030-600-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200563
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-8030-600-HSS
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 80 CRI, 3000K, 615mA 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: 2797 lumens
Efficiency: N/A
Efficacy: 82.3 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): 34
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

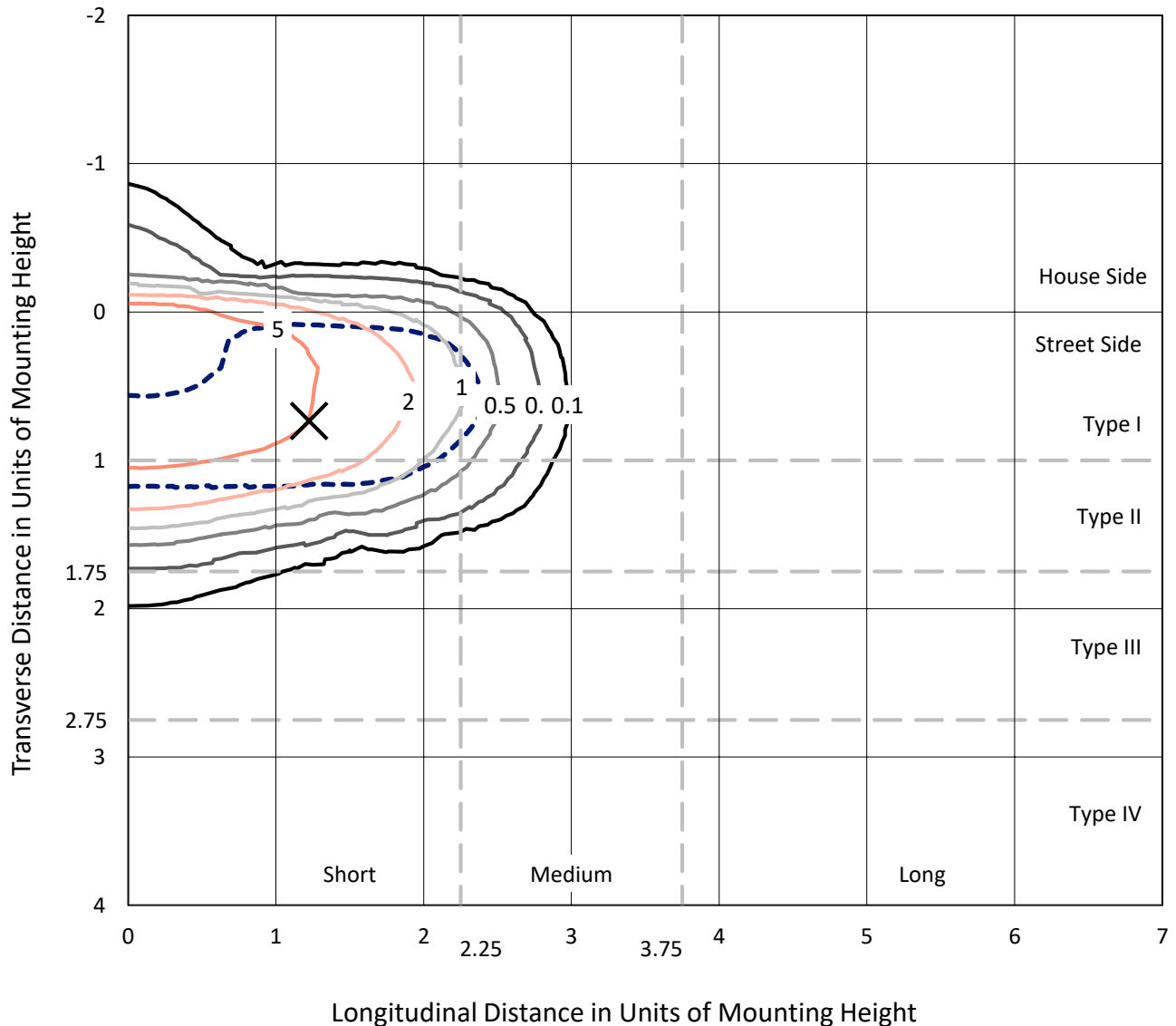


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Iso-Footcandle Lines of Horizontal Illumination

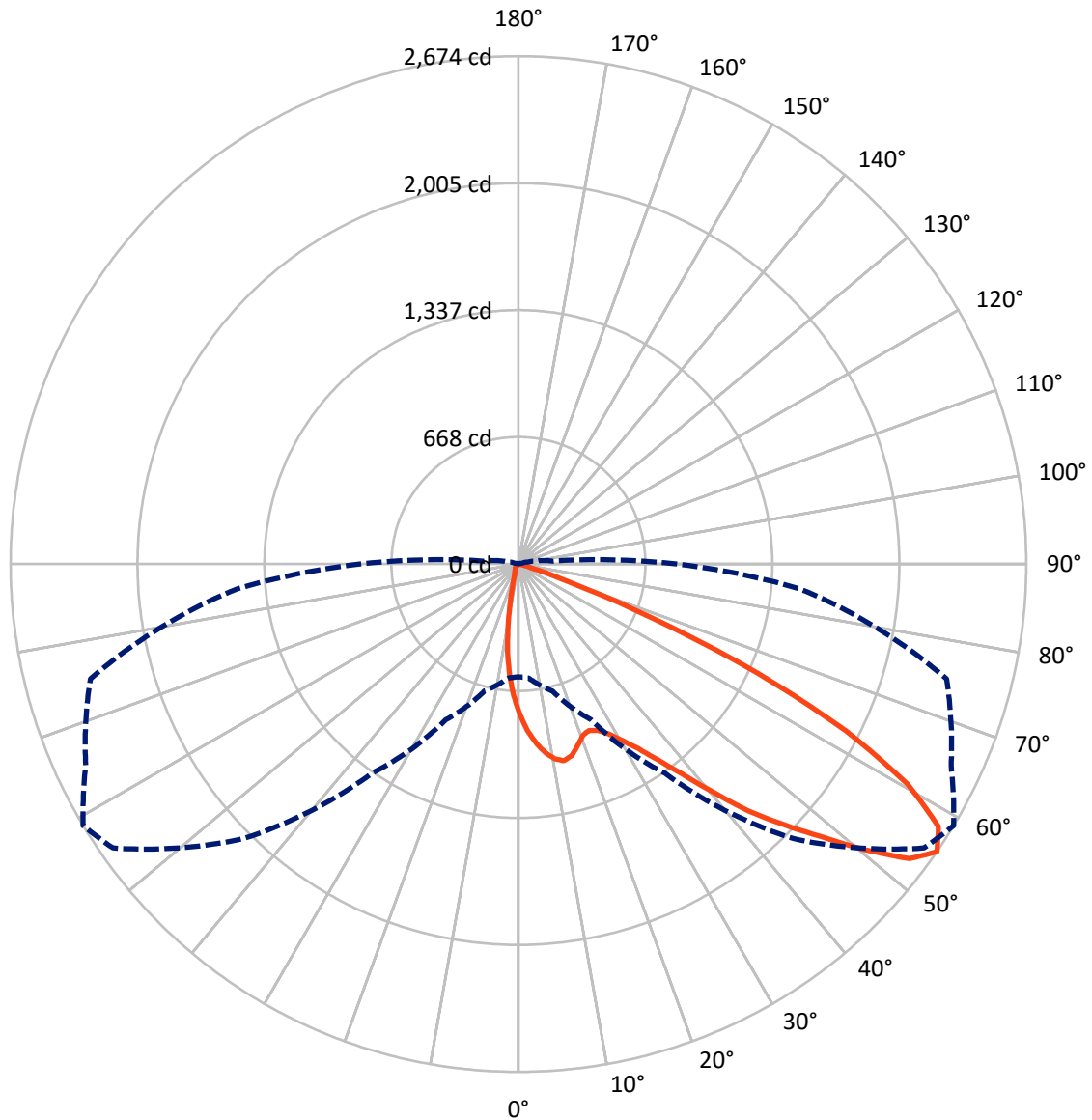
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.8 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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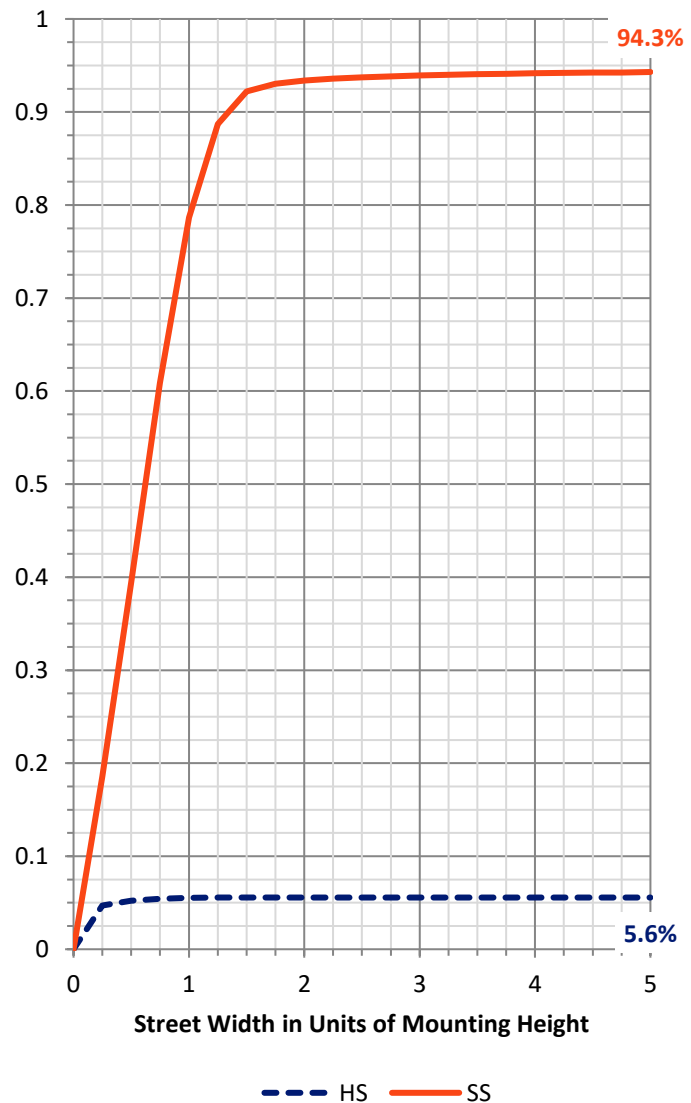
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	156.2	0.0	156.2
	% Fixture	5.6	0.0	5.6
Street Side	Lumens	2640.8	0.0	2640.8
	% Fixture	94.4	0.0	94.4
Total	Lumens	2797.0	0.0	2797.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.9	2.4
10°-20°	157.9	5.6
20°-30°	268.7	9.6
30°-40°	462.1	16.5
40°-50°	713.4	25.5
50°-60°	717.2	25.6
60°-70°	367.8	13.1
70°-80°	39.9	1.4
80°-90°	4.2	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°	2797.0	100.0
0°-180°	2797.0	100.0

Coefficient of Utilization



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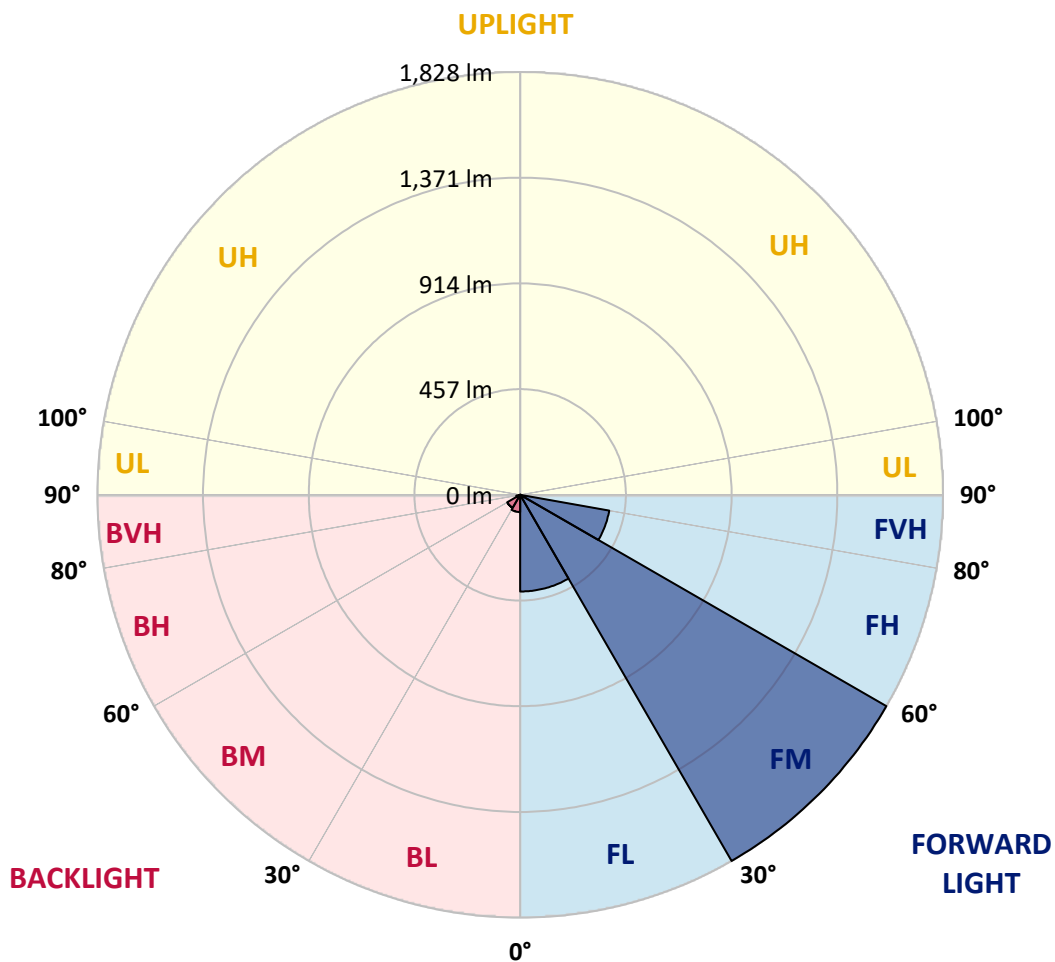
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	418.0	14.9			
FM	(30°-60°)	1827.8	65.3			
FH	(60°-80°)	390.9	14.0			G0/660
FVH	(80°-90°)	4.1	0.1			G0/10
BL	(0°-30°)	74.6	2.7	B0/110		
BM	(30°-60°)	64.8	2.3	B0/220		
BH	(60°-80°)	16.7	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°	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3
2.5°	931.6	921.7	918.7	916.8	907.7	896.3	880.8	873.5	858.7	834.7	805.3
5°	1016.9	1015.1	1008.5	1004.9	995.2	979.0	954.2	942.3	918.7	878.5	825.8
7.5°	979.6	991.0	1000.1	1015.3	1034.4	1033.8	1013.0	1000.6	974.2	921.0	848.6
10°	835.5	844.8	859.6	894.1	964.5	1026.5	1050.9	1042.0	1020.9	960.2	870.5
12.5°	807.3	806.3	809.0	819.0	855.8	944.3	1044.5	1062.5	1058.2	996.0	891.3
15°	822.3	821.2	820.9	824.3	833.2	870.5	996.1	1047.8	1081.0	1029.2	909.0
17.5°	864.4	859.5	856.8	854.0	851.4	860.6	938.0	1006.7	1084.5	1058.2	923.7
20°	936.6	928.3	918.6	902.7	887.9	883.2	913.6	964.5	1072.1	1080.3	933.3
22.5°	1027.2	1016.6	999.8	970.9	940.7	923.2	925.7	951.1	1053.6	1104.4	937.7
25°	1129.0	1115.5	1093.0	1052.9	1008.5	977.5	961.3	970.2	1045.2	1132.7	942.8
27.5°	1238.1	1223.1	1193.7	1139.1	1088.7	1046.8	1013.8	1012.7	1059.5	1169.6	951.1
30°	1346.2	1343.9	1305.6	1247.9	1181.2	1130.2	1082.6	1076.5	1099.6	1220.8	967.4
32.5°	1490.5	1473.2	1426.3	1366.9	1290.0	1228.7	1172.4	1158.2	1161.2	1280.4	992.7
35°	1672.4	1653.4	1587.4	1505.4	1419.4	1347.1	1284.8	1265.5	1258.3	1377.9	1035.3
37.5°	1789.9	1789.6	1748.2	1664.6	1572.4	1492.7	1425.0	1402.4	1387.7	1495.8	1101.3
40°	1793.1	1800.8	1806.3	1805.4	1739.8	1666.3	1606.2	1578.3	1544.2	1653.3	1186.6
42.5°	1696.8	1716.8	1764.8	1846.4	1885.3	1856.1	1805.4	1778.0	1727.2	1821.8	1290.6
45°	1566.8	1580.6	1664.6	1814.9	1964.2	2044.3	2005.7	1956.6	1889.6	1997.6	1383.9
47.5°	1508.5	1511.0	1565.3	1730.2	1970.2	2198.5	2221.9	2142.2	2037.2	2139.2	1456.8
50°	1334.4	1338.8	1413.8	1583.4	1900.5	2271.3	2439.1	2363.5	2198.1	2248.3	1483.4
52.5°	1005.7	1012.0	1107.1	1342.3	1709.1	2240.2	2594.6	2576.3	2374.4	2301.6	1484.9
55°	593.4	601.7	692.4	903.5	1344.3	2042.8	2606.2	2673.5	2513.6	2333.2	1482.6
57.5°	277.1	282.9	334.9	465.5	836.0	1614.5	2432.2	2606.8	2590.3	2349.8	1498.9
60°	147.2	148.9	161.4	201.5	377.8	1023.7	2092.7	2353.9	2520.3	2372.9	1518.9
62.5°	112.6	113.1	112.4	117.2	158.8	454.4	1581.8	1935.2	2238.6	2355.6	1496.8
65°	97.6	98.4	93.8	92.6	101.8	162.1	939.7	1379.4	1759.1	2121.7	1346.1
67.5°	87.5	87.8	82.2	77.4	79.1	87.6	370.7	755.2	1164.3	1555.2	975.7
70°	80.6	80.2	74.1	66.5	64.4	59.9	117.9	276.8	556.4	788.7	453.8
72.5°	71.3	71.5	68.5	58.6	53.5	41.9	54.6	80.7	166.1	214.9	106.3
75°	63.2	62.4	58.8	52.5	44.1	27.6	27.1	36.0	51.2	50.8	22.9
77.5°	45.7	44.9	46.1	43.1	33.8	17.8	13.5	17.3	20.8	20.1	6.4
80°	33.5	33.0	29.7	35.8	29.9	12.2	8.4	9.2	10.7	9.1	2.0
82.5°	22.9	22.8	21.0	19.8	17.0	7.4	5.3	5.8	6.9	5.1	1.0
85°	3.6	4.1	15.2	12.0	10.1	3.3	3.6	4.0	4.6	2.8	0.3
87.5°	0.0	0.0	7.1	6.3	2.0	1.3	2.1	2.3	2.3	1.5	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°	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3
2.5°	790.3	773.8	743.3	711.7	682.5	647.7	623.8	605.8	585.0	579.4	591.6
5°	795.8	764.6	698.9	627.4	560.2	485.8	428.8	383.8	343.0	329.1	341.7
7.5°	804.3	758.0	650.8	533.2	416.3	300.1	220.5	168.2	134.9	125.0	130.2
10°	812.9	748.4	595.2	421.6	261.8	146.1	95.1	75.9	68.8	67.3	68.2
12.5°	820.0	735.5	527.4	299.8	140.0	78.2	62.2	59.1	58.1	58.1	58.4
15°	824.3	716.0	447.0	190.6	80.6	59.1	54.3	53.3	53.3	53.5	53.8
17.5°	823.8	691.3	359.0	115.4	60.2	52.3	49.5	48.7	48.5	48.9	49.0
20°	817.7	658.9	270.7	76.1	52.5	47.7	44.9	43.4	43.2	43.6	43.9
22.5°	806.2	619.0	193.6	58.6	47.4	43.2	39.8	38.5	38.5	38.8	39.1
25°	792.1	570.1	132.4	49.7	42.8	38.5	35.2	34.0	34.3	35.2	35.3
27.5°	774.6	515.2	90.0	42.6	37.1	33.7	31.2	30.4	31.2	32.4	32.7
30°	759.6	457.9	64.2	36.8	31.5	29.1	27.6	27.6	28.7	30.9	31.4
32.5°	748.1	402.4	49.5	32.5	27.4	25.3	24.4	25.3	27.1	29.2	29.7
35°	746.6	356.7	41.9	29.1	24.4	22.3	22.0	23.4	25.3	26.9	27.2
37.5°	758.0	314.4	37.8	26.2	21.8	19.8	19.5	21.3	23.1	25.1	25.6
40°	779.6	281.3	34.8	23.6	19.6	17.5	16.8	18.2	20.6	23.3	23.9
42.5°	807.6	253.9	31.5	21.0	17.5	14.5	13.7	15.2	17.8	20.6	21.5
45°	834.4	230.3	27.9	18.0	14.7	11.2	10.9	12.9	14.2	17.0	17.7
47.5°	849.1	209.5	24.8	14.7	11.4	9.1	9.1	9.6	10.9	14.2	14.9
50°	844.1	192.8	21.5	10.9	7.9	6.9	6.9	6.8	8.7	11.4	11.9
52.5°	834.2	183.2	18.5	8.4	5.4	5.0	4.5	5.0	6.1	7.3	7.4
55°	832.7	181.6	15.5	6.8	3.8	3.3	2.5	2.5	2.5	2.3	2.0
57.5°	844.3	184.2	13.0	5.4	2.8	2.1	1.3	0.0	0.0	0.0	0.0
60°	856.2	187.0	11.2	3.8	2.0	1.2	0.2	0.0	0.0	0.0	0.0
62.5°	836.4	180.7	9.4	2.3	1.5	0.5	0.0	0.0	0.0	0.0	0.0
65°	734.7	153.8	7.4	1.7	1.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	522.6	103.0	5.0	1.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
70°	238.5	43.1	3.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	51.0	13.4	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	10.4	9.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	3.3	15.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	2.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.3	1.7	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)