

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: P1245510

Luminaire Tested: **TT-D7-AMB-U-MQ-CG-HSS**

Issue Date: 2/1/2026

Test Information

Test Method: LM-79-08
Report Number: P1245510
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2010-017-1)
Test Lab: INNOVATION CENTER
Issue Date: 2/1/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-D7-AMB-U-MQ-CG-HSS
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
NARROW BAND AMBER LEDS AND MEDIUM DISTRIBUTION WITH CLEAR GLASS AND HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

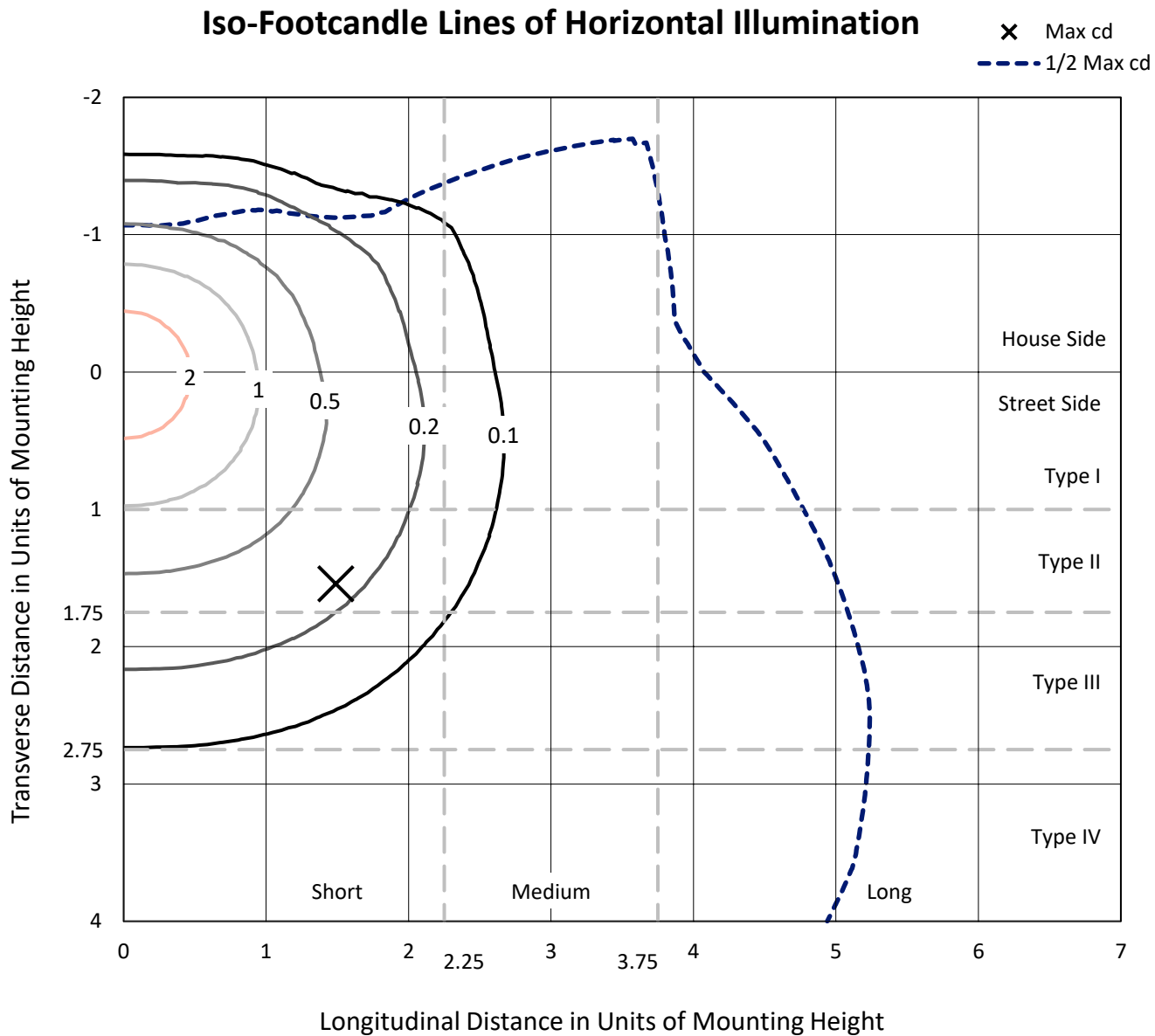
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1716 lumens
Efficiency: N/A
Efficacy: 36.0 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U1 - G1

Input Watts (W): 47.6
Input Voltage (V): 120.0
Input Current (Ain): 0.409
Voltage Rise (V): NR
Power Factor: 0.971
Total Harmonic Distortion (THDi): 14.19%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

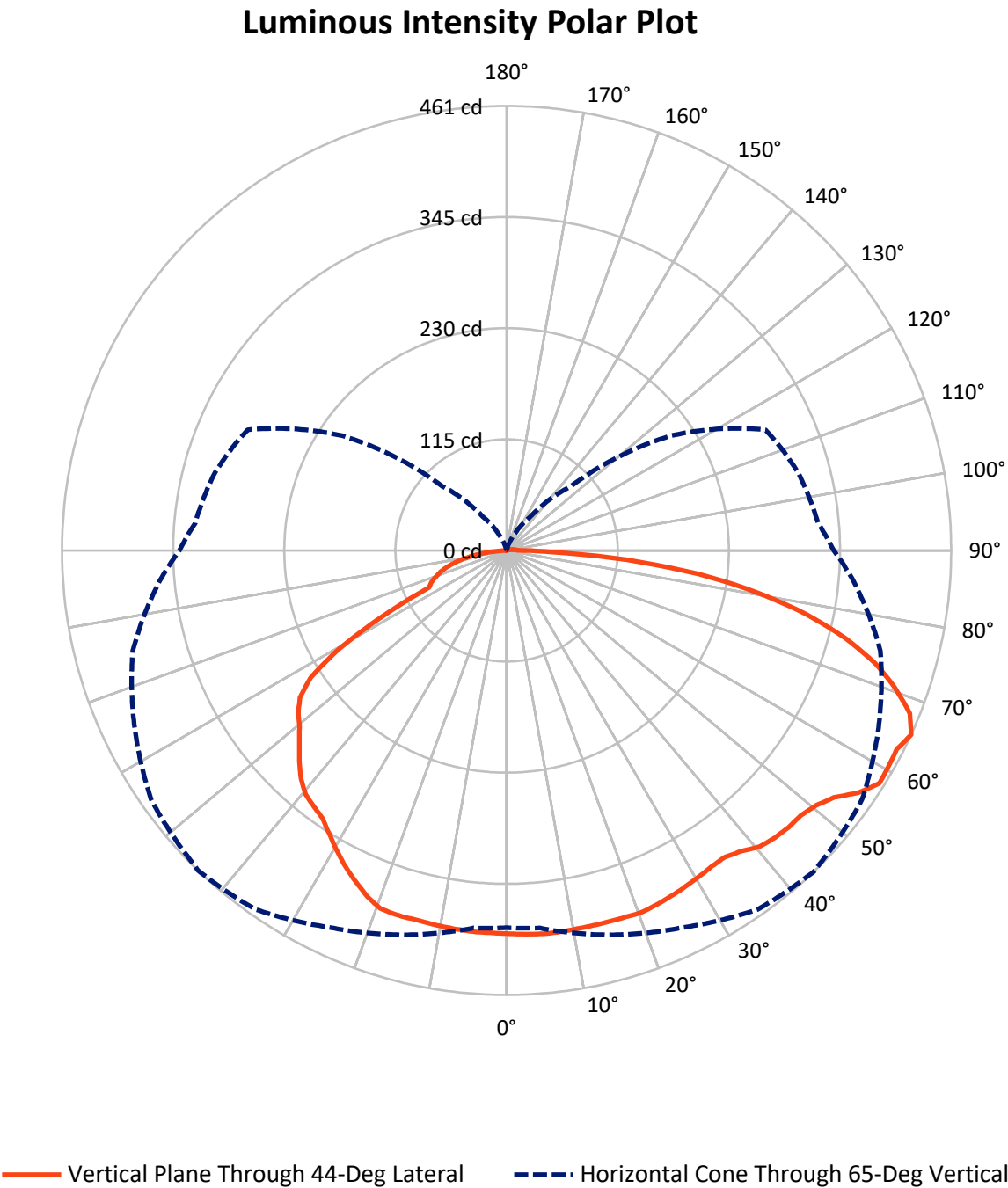


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Based on 12 foot mounting height. Maximum calculated value = 2.8 fc
Type IV - Short - N/A

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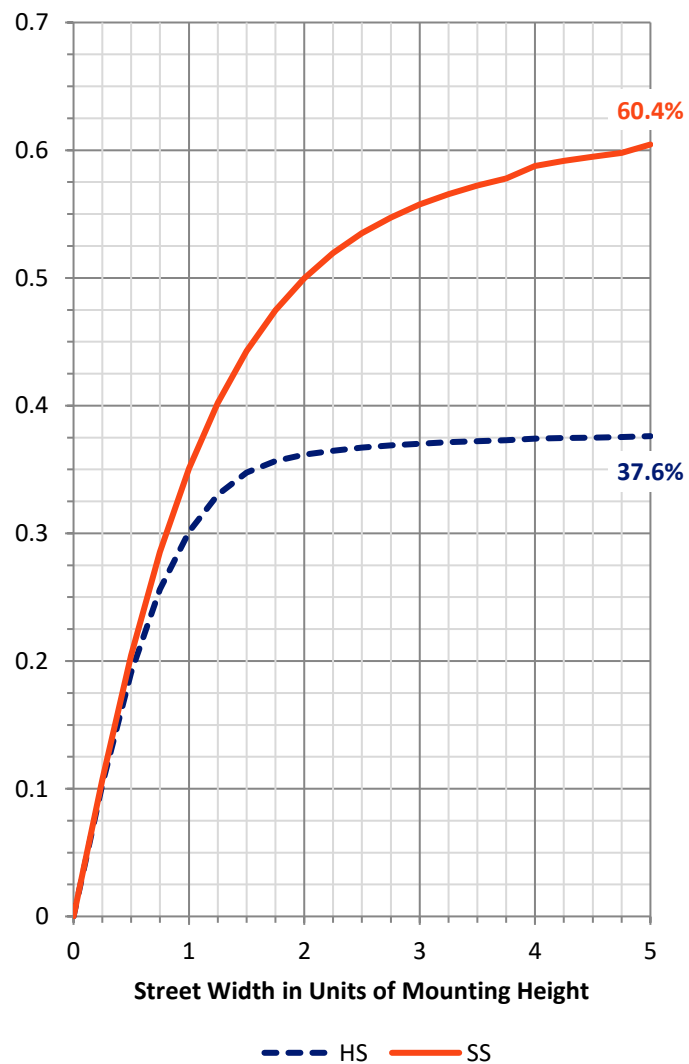
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	649.7	0.4	650.2
	% Fixture	37.9	0.0	37.9
Street Side	Lumens	1060.0	5.8	1065.8
	% Fixture	61.8	0.3	62.1
Total	Lumens	1709.7	6.3	1716.0
	% Fixture	99.6	0.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.9	2.2
10°-20°	112.3	6.5
20°-30°	178.7	10.4
30°-40°	229.0	13.3
40°-50°	271.2	15.8
50°-60°	297.1	17.3
60°-70°	282.4	16.5
70°-80°	224.8	13.1
80°-90°	76.4	4.5
90°-100°	4.0	0.2
100°-110°	1.3	0.1
110°-120°	0.3	0.0
120°-130°	0.2	0.0
130°-140°	0.1	0.0
140°-150°	0.1	0.0
150°-160°	0.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	1709.7	99.6
0°-180°	1716.0	100.0

Coefficient of Utilization



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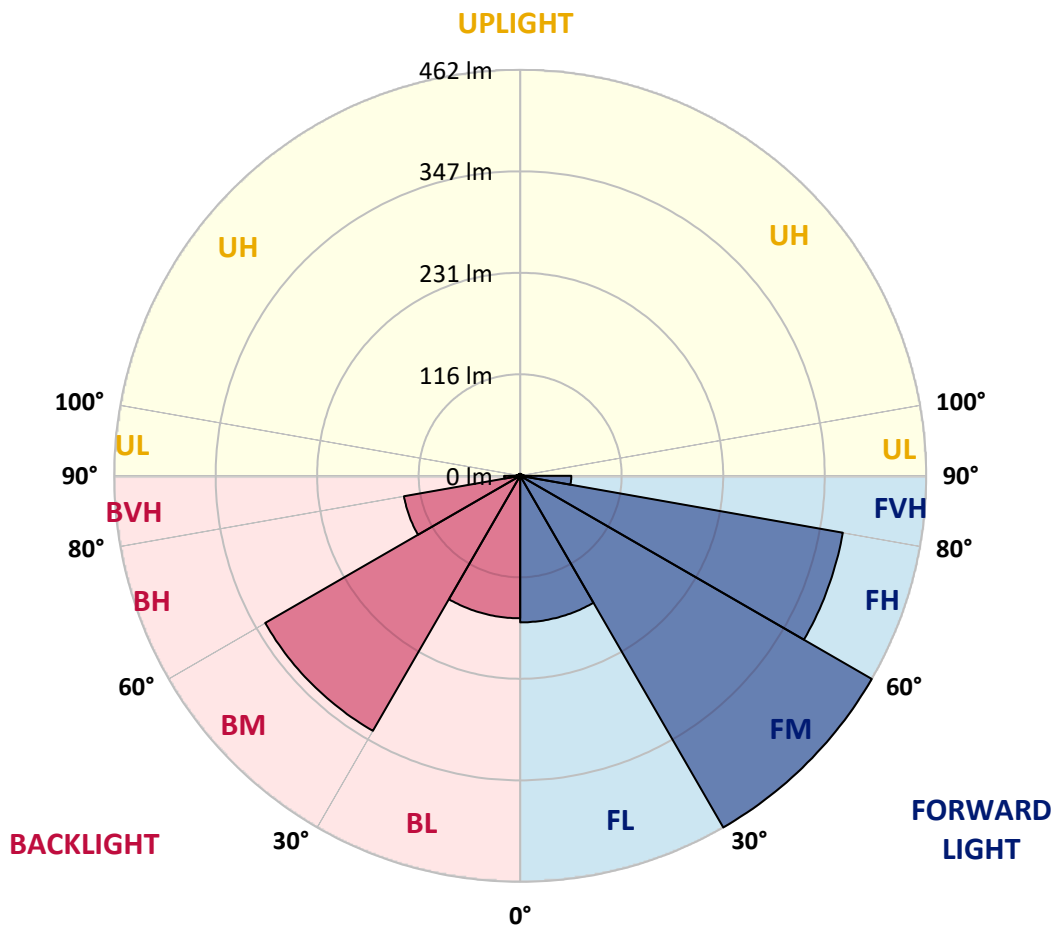
CATALOG NUMBER: TT-D7-AMB-U-MQ-CG-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	166.8	9.7			
FM	(30°-60°)	462.1	26.9			
FH	(60°-80°)	372.9	21.7			G0/660
FVH	(80°-90°)	58.2	3.4			G1/100
BL	(0°-30°)	162.1	9.4	B1/500		
BM	(30°-60°)	335.1	19.5	B1/1000		
BH	(60°-80°)	134.3	7.8	B1/500		G1/500
BVH	(80°-90°)	18.2	1.1			G1/100
UL	(90°-100°)	4.0	0.2		U1/10	
UH	(100°-180°)	2.2	0.1		U1/10	

BUG Rating: B1-U1-G1

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	397.2	397.2	397.2	397.2	397.2	397.2	397.2	397.2	397.2	397.2	397.2
2.5°	398.8	398.5	398.5	398.5	398.5	398.2	398.5	397.8	398.2	397.2	397.2
5°	399.7	399.1	399.4	399.4	399.4	399.1	399.4	398.5	398.8	397.5	397.2
7.5°	400.0	399.7	399.7	399.7	399.7	399.1	399.4	398.8	398.5	397.5	396.9
10°	400.0	399.7	399.7	399.7	399.4	398.8	399.1	398.2	398.2	396.9	396.3
12.5°	400.0	399.7	400.0	399.4	399.4	398.8	398.8	397.8	397.8	396.3	395.7
15°	399.7	399.4	399.4	399.7	399.4	398.8	398.8	397.8	397.5	395.7	395.1
17.5°	399.4	399.1	399.4	399.7	400.0	399.4	399.7	398.2	397.5	395.7	394.8
20°	399.7	399.4	399.7	400.3	400.3	400.3	400.3	398.8	397.5	395.7	394.2
22.5°	398.8	398.8	398.8	398.8	399.4	398.5	398.5	397.5	396.0	394.5	393.0
25°	396.6	396.6	396.9	397.2	397.2	396.6	396.3	395.4	394.2	392.4	390.6
27.5°	394.2	394.2	394.5	394.5	395.1	394.5	394.2	393.0	391.8	389.7	387.5
30°	391.5	391.5	391.5	392.1	392.4	392.4	392.1	390.6	389.1	386.6	383.9
32.5°	388.4	388.4	389.4	390.0	390.3	390.3	390.3	388.4	386.6	383.6	379.7
35°	386.0	386.0	387.2	389.4	390.6	390.0	389.7	388.4	385.7	382.4	376.0
37.5°	387.5	387.5	390.3	393.3	396.0	395.4	395.4	393.3	389.7	384.2	376.3
40°	391.2	391.5	395.7	399.7	403.0	403.6	403.6	401.2	395.7	388.8	377.8
42.5°	392.1	392.7	396.9	402.7	405.7	407.2	407.2	403.9	398.2	390.0	377.2
45°	392.1	392.4	397.2	403.3	408.2	409.4	409.4	405.7	398.5	390.6	375.1
47.5°	392.1	391.8	396.0	404.5	409.4	410.3	410.3	406.3	399.4	389.4	372.1
50°	391.2	392.7	399.1	405.7	414.2	415.4	415.1	410.9	401.2	390.9	369.6
52.5°	393.3	393.0	401.5	414.8	422.4	425.1	425.4	420.0	410.0	395.1	368.1
55°	402.1	402.4	410.6	426.0	437.6	442.7	442.1	435.1	420.9	403.6	372.4
57.5°	405.1	408.2	420.0	433.3	450.9	455.5	455.5	447.0	429.7	410.3	375.4
60°	399.1	400.3	414.8	437.6	453.6	454.6	454.9	448.8	430.6	406.6	369.3
62.5°	397.5	400.0	411.2	436.7	447.0	453.6	453.3	445.2	429.7	403.9	367.2
65°	390.9	392.7	412.4	431.2	453.9	460.6	459.1	449.7	425.7	400.9	360.6
67.5°	377.2	379.0	397.2	423.6	444.2	450.6	452.1	441.2	416.3	386.6	346.3
70°	354.5	357.2	375.7	401.5	423.3	427.0	426.4	419.7	394.8	363.0	325.4
72.5°	322.6	326.9	350.2	374.8	393.6	399.1	396.6	389.1	368.7	334.5	296.9
75°	289.0	292.9	311.4	339.0	358.7	362.4	360.6	351.5	330.8	297.2	263.2
77.5°	252.3	255.6	271.4	299.6	314.2	317.2	318.1	306.0	286.6	256.2	225.9
80°	202.9	204.4	225.6	244.1	256.8	262.9	262.3	253.2	233.8	208.6	178.3
82.5°	149.8	151.0	167.4	183.2	194.7	200.1	197.1	188.0	172.5	151.0	128.0
85°	91.9	89.8	103.1	114.9	121.9	125.5	122.5	117.4	103.7	86.7	70.7
87.5°	33.1	31.2	37.3	39.1	47.0	45.8	48.5	39.1	31.5	22.4	15.8
90°	14.6	14.6	14.3	13.6	12.4	11.2	10.9	9.1	6.7	4.2	1.5
92.5°	13.3	13.3	13.0	12.4	11.2	10.0	10.0	8.2	6.1	3.9	1.5
95°	11.2	11.2	10.9	10.3	9.4	8.5	8.5	6.7	5.2	3.3	1.2
97.5°	8.8	8.8	8.5	8.2	7.3	6.7	6.7	5.5	3.9	2.4	0.9
100°	6.7	6.7	6.4	6.1	5.8	5.2	4.9	3.9	3.0	1.8	0.6
102.5°	4.9	4.9	4.9	4.5	3.9	3.6	3.6	3.0	2.1	1.5	0.6
105°	3.3	3.3	3.3	3.0	2.7	2.4	2.4	2.1	1.5	0.9	0.3
107.5°	2.1	2.1	2.1	2.1	1.8	1.5	1.5	1.2	0.9	0.6	0.3
110°	1.2	0.9	1.2	1.2	1.2	0.9	0.9	0.6	0.6	0.3	0.3

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CATALOG NUMBER: TT-D7-AMB-U-MQ-CG-HSS

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
112.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.3	0.3	0.3	0.3
115°	0.3	0.3	0.3	0.6	0.6	0.3	0.3	0.3	0.3	0.3	0.3
117.5°	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
120°	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
122.5°	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
125°	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
127.5°	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
130°	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
132.5°	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
135°	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3
137.5°	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3
140°	0.0	0.3	0.3	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3
142.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
145°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
147.5°	0.3	0.3	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3
150°	0.3	0.3	0.3	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3
152.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
155°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
157.5°	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3
160°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
162.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
165°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
167.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
170°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
172.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
175°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
177.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
180°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	397.2	397.2	397.2	397.2	397.2	397.2	397.2	397.2	397.2	397.2	397.2
2.5°	397.2	396.9	396.6	396.9	396.6	396.6	396.3	396.3	396.0	396.0	395.7
5°	397.2	396.9	396.6	396.9	396.3	396.6	396.6	396.3	396.0	395.7	395.4
7.5°	396.9	396.9	396.3	396.6	396.0	396.0	395.7	395.7	395.4	395.4	395.1
10°	396.3	396.0	396.0	396.0	395.4	395.4	395.1	394.8	394.8	394.5	394.2
12.5°	395.7	395.4	395.1	395.1	394.8	394.5	394.2	394.2	393.9	393.6	393.3
15°	394.8	394.5	394.5	394.5	394.2	394.2	393.9	393.6	393.0	392.7	392.4
17.5°	394.5	394.2	394.5	394.5	394.2	394.5	393.9	393.3	392.7	392.4	392.1
20°	394.2	394.2	394.2	393.9	393.6	393.3	393.0	392.7	392.4	392.1	391.8
22.5°	392.7	392.4	391.8	390.0	387.8	386.3	386.0	386.6	386.6	386.6	385.7
25°	390.0	389.1	386.6	383.3	379.7	377.2	375.7	375.7	375.4	374.8	374.5
27.5°	386.6	384.8	380.6	376.3	371.2	368.1	364.5	362.4	361.5	361.2	360.6
30°	382.1	379.4	373.9	368.4	362.1	357.8	352.1	348.4	346.3	345.4	344.8
32.5°	376.6	373.9	367.5	360.9	353.3	347.2	339.9	334.2	330.2	328.4	327.5
35°	373.0	369.0	361.8	353.9	346.3	337.5	328.7	320.8	314.8	312.6	311.4
37.5°	371.5	367.8	359.9	352.1	343.6	333.0	322.6	311.4	303.2	299.6	298.4
40°	372.4	367.8	359.0	350.5	340.5	328.7	315.1	301.1	290.5	285.3	284.1
42.5°	370.3	365.1	354.8	345.7	333.3	319.9	303.2	287.2	272.9	268.7	266.8
45°	366.6	360.2	349.0	337.5	324.5	308.1	290.8	270.2	253.2	248.0	246.5
47.5°	363.0	354.2	340.8	330.2	314.5	295.4	275.0	252.0	230.8	225.6	224.7
50°	357.5	349.3	335.1	322.6	306.6	284.4	261.4	232.6	208.6	199.8	197.4
52.5°	355.1	344.5	330.8	321.1	301.7	276.6	247.4	216.5	181.9	171.0	168.6
55°	357.5	344.2	329.6	320.2	297.8	266.5	230.8	191.3	151.3	139.8	136.5
57.5°	353.3	341.7	327.2	316.6	287.5	245.9	206.5	155.9	114.3	99.5	98.2
60°	347.8	331.4	317.8	308.1	265.9	207.1	160.7	111.0	68.8	56.1	53.7
62.5°	345.7	328.7	312.9	301.1	237.1	152.2	97.9	56.1	28.5	20.0	18.2
65°	339.0	323.9	312.6	296.0	207.1	94.0	42.2	16.7	1.2	0.9	0.9
67.5°	326.3	310.8	303.2	293.5	204.1	89.8	38.2	15.2	0.6	0.0	0.0
70°	304.5	292.3	287.2	282.0	195.3	83.1	34.9	13.6	0.3	0.0	0.0
72.5°	275.6	267.5	266.5	265.9	182.5	76.7	31.2	12.1	0.3	0.0	0.0
75°	246.8	236.8	238.3	242.0	166.8	67.9	27.0	10.6	0.3	0.0	0.0
77.5°	210.4	203.2	206.8	212.9	146.2	57.6	22.1	8.5	0.3	0.0	0.0
80°	165.6	160.7	168.9	174.4	119.5	45.8	16.7	6.1	0.0	0.0	0.0
82.5°	117.7	114.9	122.5	129.5	88.8	32.4	11.5	3.9	0.0	0.0	0.0
85°	63.4	61.9	69.1	76.7	53.4	18.5	5.8	1.8	0.0	0.0	0.0
87.5°	15.8	14.6	14.9	17.9	13.0	3.9	0.9	0.3	0.0	0.0	0.0
90°	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0
102.5°	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0
110°	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1245510

CATALOG NUMBER: TT-D7-AMB-U-MQ-CG-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0
115°	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0
117.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0
122.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0
125°	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0
127.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0
130°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0
135°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0
147.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0
162.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0
165°	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0
167.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0
170°	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0
172.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0
175°	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0
177.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0
180°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

(END OF REPORT)