

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: P1245520

Luminaire Tested: **TT-D7-AMB-U-WQ-HSS**

Issue Date: 2/1/2026

Test Information

Test Method: LM-79-08
Report Number: P1245520
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2010-017-2)
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-WQ-HSS
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
NARROW BAND AMBER LEDS AND WIDE DISTRIBUTION WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

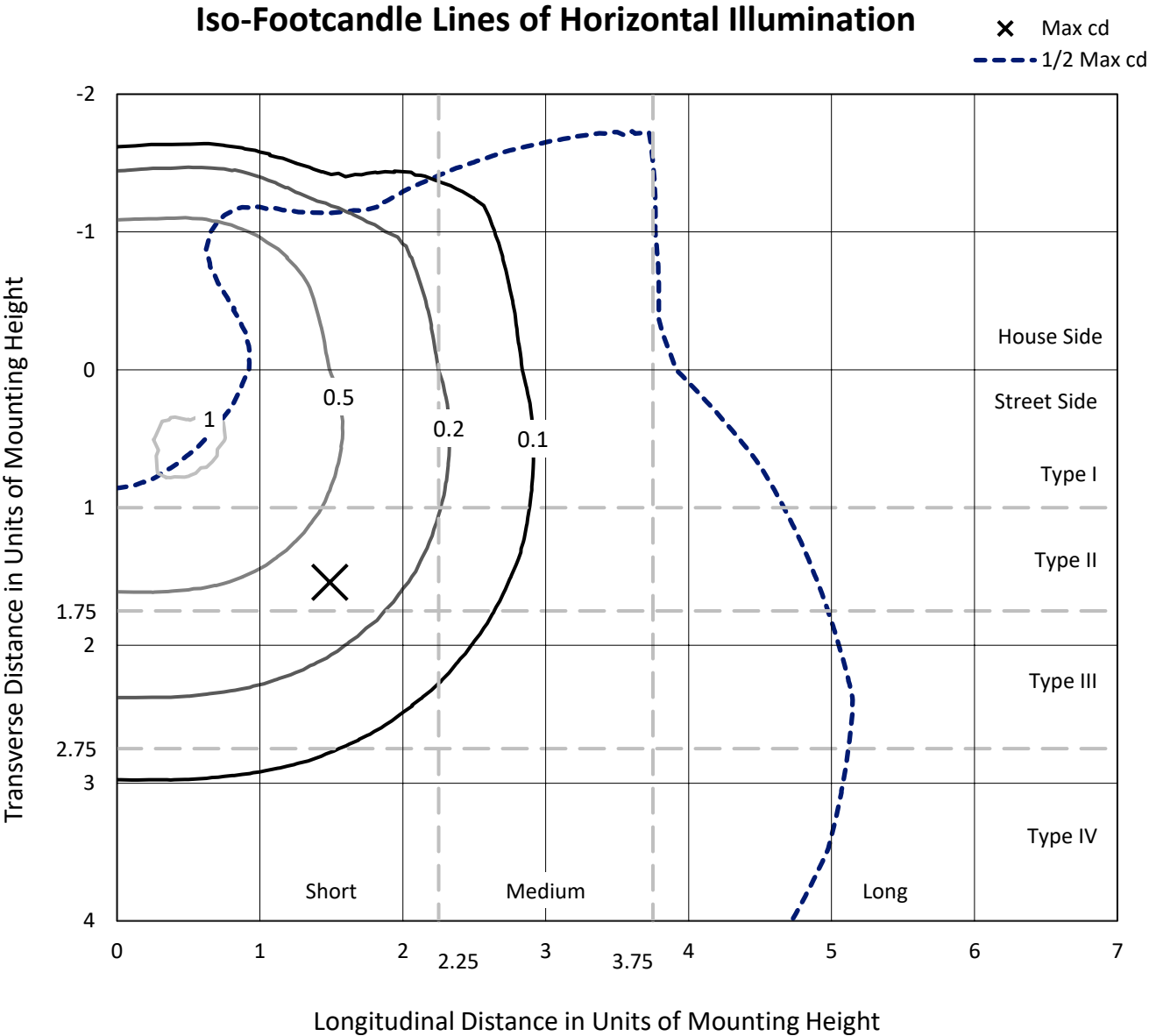
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1697.9 lumens
Efficiency: N/A
Efficacy: 35.7 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

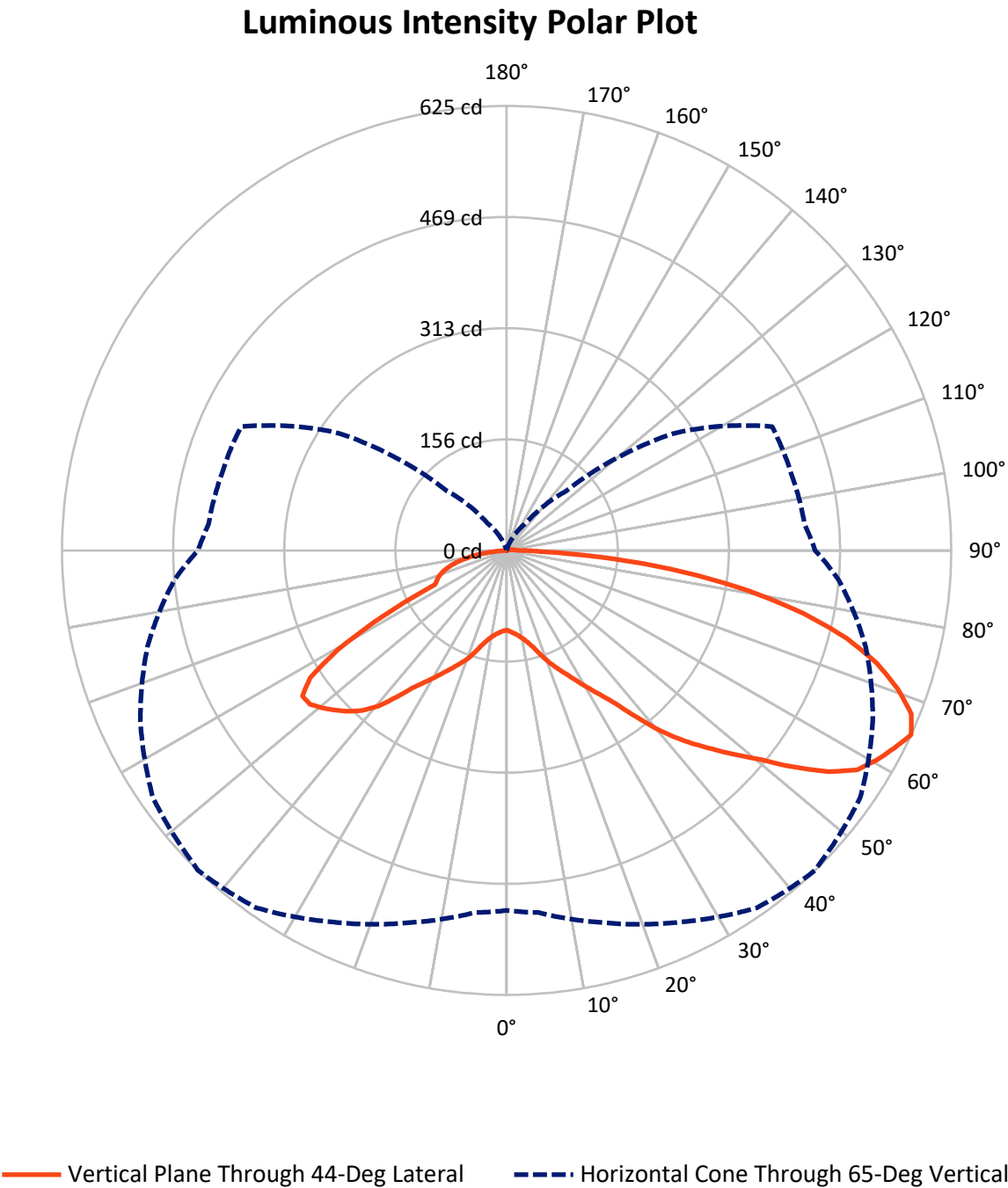


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Based on 12 foot mounting height. Maximum calculated value = 1 fc
Type IV - Short - N/A

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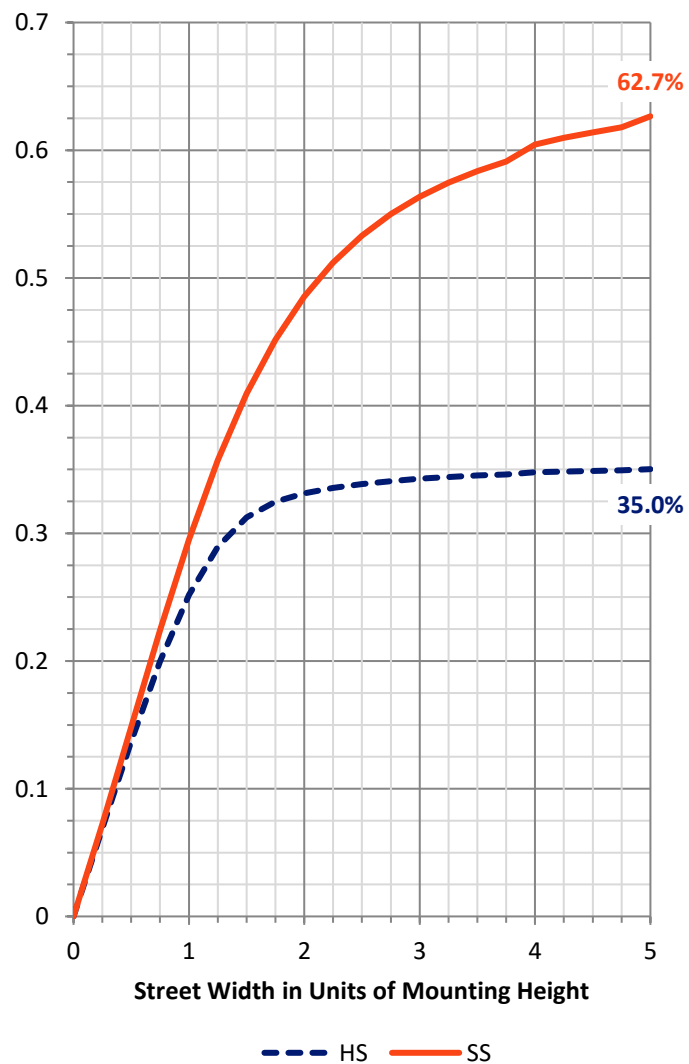
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	598.1	0.4	598.4
	% Fixture	35.2	0.0	35.2
Street Side	Lumens	1092.7	6.8	1099.5
	% Fixture	64.4	0.4	64.8
Total	Lumens	1690.7	7.2	1697.9
	% Fixture	99.6	0.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.4	0.7
10°-20°	40.3	2.4
20°-30°	86.4	5.1
30°-40°	156.5	9.2
40°-50°	261.2	15.4
50°-60°	361.8	21.3
60°-70°	374.9	22.1
70°-80°	301.7	17.8
80°-90°	96.5	5.7
90°-100°	4.9	0.3
100°-110°	1.6	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°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1690.7	99.6
0°-180°	1697.9	100.0

Coefficient of Utilization



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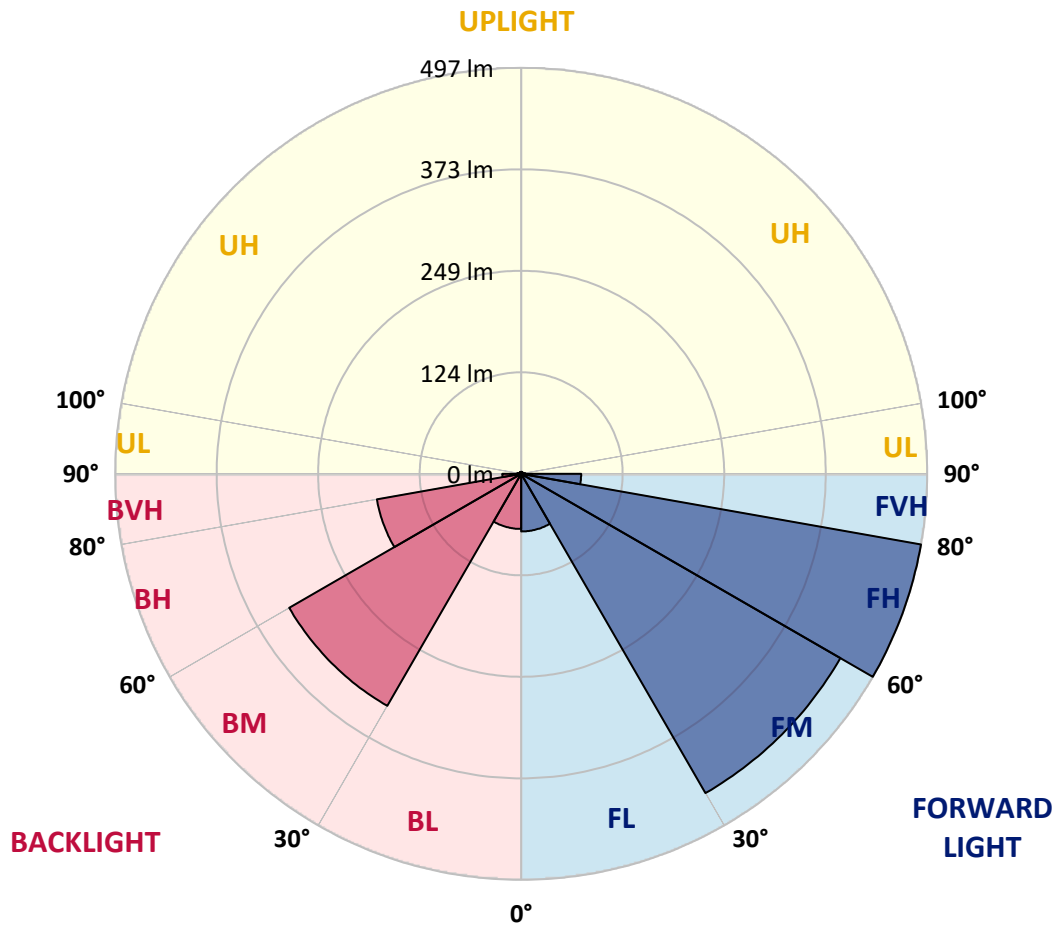
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	70.6	4.2			
FM	(30°-60°)	451.4	26.6			
FH	(60°-80°)	497.2	29.3			G0/660
FVH	(80°-90°)	73.4	4.3			G1/100
BL	(0°-30°)	67.5	4.0	B0/110		
BM	(30°-60°)	328.1	19.3	B1/1000		
BH	(60°-80°)	179.4	10.6	B1/500		G1/500
BVH	(80°-90°)	23.1	1.4			G1/100
UL	(90°-100°)	4.9	0.3		U1/10	
UH	(100°-180°)	2.3	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°	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0
2.5°	115.4	115.0	115.0	114.7	114.7	114.7	114.7	114.7	114.4	114.0	113.7
5°	118.3	118.3	118.0	118.0	117.7	117.3	117.7	117.3	117.0	116.7	116.4
7.5°	122.3	122.0	122.0	121.3	121.3	121.0	121.0	121.0	120.7	120.0	119.7
10°	128.0	127.3	127.3	126.6	126.3	126.0	126.0	125.3	125.3	125.0	124.6
12.5°	134.3	133.6	134.3	133.9	133.3	132.6	132.6	131.9	131.6	131.3	129.9
15°	142.5	141.5	142.2	142.2	141.9	141.5	141.5	140.2	139.6	138.9	137.6
17.5°	152.5	151.8	152.2	152.5	153.5	153.5	153.8	152.2	150.8	148.5	147.5
20°	165.1	164.8	165.7	165.7	166.7	166.7	167.1	165.4	163.1	161.4	159.4
22.5°	177.3	177.3	178.7	178.7	179.7	179.0	179.0	178.3	175.7	173.7	171.7
25°	189.9	189.6	190.9	191.9	193.3	191.6	192.3	191.3	188.6	186.0	183.3
27.5°	203.9	203.2	203.9	205.2	207.5	206.2	206.9	205.2	202.5	198.9	196.6
30°	219.1	218.1	219.1	221.1	222.8	223.4	223.1	220.8	218.5	213.2	211.5
32.5°	234.0	234.0	236.4	240.0	242.0	241.7	242.0	240.0	236.7	230.1	226.1
35°	252.3	253.6	256.6	261.9	266.2	264.5	264.5	263.9	258.2	250.3	245.0
37.5°	276.5	277.8	283.8	290.1	298.0	297.4	297.7	295.7	284.8	276.5	268.8
40°	304.6	306.0	314.9	323.9	331.5	333.8	334.1	329.8	317.9	306.0	294.0
42.5°	330.5	332.2	341.4	354.0	362.3	366.0	366.6	359.7	347.1	333.5	318.6
45°	356.4	358.3	369.0	382.2	394.1	395.8	396.1	390.2	376.2	360.7	341.4
47.5°	382.9	384.5	395.5	411.4	424.3	427.6	428.0	422.3	405.4	386.5	364.0
50°	407.1	410.4	425.3	442.2	459.5	462.1	462.4	456.1	436.2	415.0	385.2
52.5°	435.6	437.2	453.2	481.3	495.9	506.2	506.5	494.3	473.0	444.5	406.1
55°	468.7	471.7	488.0	516.1	542.3	549.3	551.3	536.7	508.5	477.7	432.6
57.5°	488.0	493.6	517.5	544.3	577.1	581.8	582.8	567.5	536.4	502.5	452.5
60°	498.2	501.6	526.7	568.5	594.0	598.3	598.0	586.4	555.3	514.1	461.8
62.5°	509.8	515.5	536.7	579.1	601.3	611.9	610.3	598.3	566.5	521.4	470.7
65°	506.5	511.2	542.3	576.8	613.6	625.2	622.9	607.0	568.2	522.8	468.4
67.5°	493.3	496.9	527.7	570.5	605.6	613.9	617.9	602.3	558.9	508.5	453.8
70°	466.1	471.7	501.6	545.3	577.5	583.4	584.1	574.5	535.4	482.3	429.6
72.5°	428.6	433.3	465.7	510.2	538.0	545.0	545.6	531.1	501.6	446.5	394.8
75°	383.9	388.2	413.4	459.8	487.3	494.3	493.6	480.0	448.8	396.8	348.7
77.5°	328.5	336.5	358.7	396.8	423.6	427.3	428.0	413.0	387.8	342.8	296.0
80°	259.2	266.9	292.0	320.6	343.1	346.1	347.1	334.5	311.6	271.8	232.0
82.5°	184.3	190.9	210.8	234.0	252.9	252.9	253.6	243.3	225.7	191.6	160.4
85°	105.1	110.1	123.3	139.9	153.5	151.8	152.2	142.9	131.3	104.8	84.9
87.5°	34.5	36.8	39.8	46.1	52.4	48.4	50.4	41.8	37.8	28.2	21.9
90°	18.2	18.2	17.6	16.9	15.6	13.6	13.6	10.9	8.3	5.3	2.0
92.5°	16.6	16.6	15.9	15.2	13.9	12.3	12.3	9.9	7.3	4.6	1.7
95°	13.6	13.6	13.3	12.6	11.6	10.3	9.9	8.3	6.3	3.6	1.3
97.5°	10.6	10.6	10.3	9.9	9.0	8.0	8.0	6.3	4.6	3.0	1.0
100°	8.0	8.0	8.0	7.3	7.0	6.0	6.0	5.0	3.6	2.3	0.7
102.5°	5.6	6.0	5.6	5.3	5.0	4.3	4.3	3.6	2.7	1.7	0.7
105°	4.0	4.0	3.6	3.6	3.3	3.0	3.0	2.3	1.7	1.0	0.3
107.5°	2.3	2.3	2.3	2.3	2.0	2.0	2.0	1.7	1.0	0.7	0.3
110°	1.3	1.3	1.3	1.3	1.0	1.0	1.0	0.7	0.7	0.3	0.3

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CATALOG NUMBER: TT-D7-AMB-U-WQ-HSS

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
112.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.3	0.3	0.3	0.3
115°	0.3	0.3	0.3	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.3
117.5°	0.3	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	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
125°	0.0	0.0	0.3	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	0.0	0.0	0.3	0.3	0.3	0.3	0.3
140°	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3
142.5°	0.3	0.3	0.3	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3
145°	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
147.5°	0.3	0.3	0.3	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3
150°	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
160°	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
162.5°	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
165°	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3
167.5°	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3
170°	0.3	0.0	0.0	0.0	0.0	0.3	0.0	0.3	0.3	0.3	0.3
172.5°	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3
175°	0.3	0.3	0.3	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3
177.5°	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
180°	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°	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0
2.5°	113.7	113.7	113.4	113.0	113.0	113.0	112.7	112.7	112.7	112.4	112.4
5°	116.4	116.0	116.0	115.7	115.7	115.4	115.4	115.0	114.7	114.7	114.4
7.5°	120.0	119.7	119.0	119.3	118.7	118.3	118.0	118.0	118.0	117.7	117.7
10°	124.3	124.3	123.6	123.6	123.0	122.7	122.3	122.3	122.7	122.7	122.3
12.5°	129.9	129.6	129.6	129.3	129.0	128.6	129.0	129.0	128.6	128.3	128.0
15°	136.9	136.9	136.9	137.2	136.9	136.9	136.9	136.6	135.9	135.2	135.2
17.5°	147.5	147.2	146.5	146.9	147.5	148.5	147.5	146.5	145.5	145.5	145.2
20°	158.5	158.8	158.8	159.1	160.1	161.1	159.8	159.1	158.5	157.8	157.1
22.5°	170.4	170.7	170.7	170.4	171.1	170.7	170.1	169.4	168.7	167.7	167.1
25°	182.0	182.3	182.0	181.7	182.0	181.0	180.0	179.0	177.3	175.7	175.7
27.5°	194.9	194.6	193.3	193.6	192.9	192.3	190.3	188.0	185.6	184.0	184.0
30°	208.5	208.5	205.9	207.2	205.9	205.5	201.2	198.2	194.9	192.6	192.3
32.5°	223.4	222.8	220.8	222.1	220.8	219.4	214.1	210.2	204.5	201.2	200.9
35°	241.3	239.7	238.0	239.3	239.3	235.7	230.4	223.1	215.1	211.2	210.8
37.5°	263.2	262.2	260.2	261.9	263.2	259.6	251.6	241.0	229.7	223.8	223.4
40°	287.4	286.1	285.1	287.4	288.4	284.8	274.1	259.2	244.0	235.4	234.0
42.5°	310.3	307.3	305.6	309.0	308.0	304.0	289.4	272.2	251.3	241.3	239.7
45°	330.8	327.5	325.2	328.2	326.9	318.9	302.7	279.4	254.3	242.0	240.0
47.5°	351.1	346.1	342.4	346.4	343.8	331.5	311.6	283.1	250.9	236.4	233.0
50°	368.3	362.3	360.0	364.6	360.7	343.4	317.9	281.4	242.7	221.4	216.1
52.5°	388.8	379.9	377.6	386.5	377.6	354.7	319.2	277.5	223.8	198.2	193.3
55°	409.7	399.8	396.1	404.4	390.8	357.0	312.6	254.6	195.3	168.1	160.8
57.5°	420.7	411.4	408.1	414.0	388.8	334.5	283.1	212.2	152.5	122.0	114.0
60°	430.6	414.4	410.1	418.0	368.3	282.1	219.1	152.2	92.2	69.3	63.3
62.5°	437.6	422.0	413.0	416.7	330.5	205.2	126.0	73.3	34.8	24.2	23.9
65°	433.9	420.7	414.7	412.0	287.1	118.0	46.4	18.6	1.0	1.0	0.7
67.5°	422.7	408.1	406.4	408.7	284.1	113.4	43.1	16.9	0.0	0.0	0.0
70°	397.8	387.5	387.5	395.5	271.2	107.4	40.1	15.6	0.0	0.0	0.0
72.5°	364.3	356.4	361.0	372.9	251.9	99.1	36.1	13.9	0.0	0.0	0.0
75°	324.2	315.9	321.9	335.1	228.1	88.5	31.5	11.9	0.0	0.0	0.0
77.5°	273.2	267.5	276.8	289.1	196.2	74.6	25.9	9.6	0.0	0.0	0.0
80°	212.8	209.8	222.1	233.0	158.5	58.7	19.6	7.0	0.0	0.0	0.0
82.5°	146.9	145.5	157.5	168.7	113.4	41.1	13.3	4.6	0.0	0.0	0.0
85°	76.9	76.9	86.2	96.5	63.3	22.2	6.6	2.0	0.0	0.0	0.0
87.5°	16.9	16.2	17.6	22.5	12.6	4.3	1.0	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	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0
105°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: TT-D7-AMB-U-WQ-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	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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)