

IES INDOOR REPORT
PHOTOMETRIC FILENAME : C6RX-ASY-00-UNVE9-35-NA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 3401
 [ECN] 3414
 [TESTLAB] Tempo LLC
 [ISSUEDATE] 3/28/2018 10:27:56 AM
 [MANUFAC] Tempo LLC
 [LUMCAT] C6RX-ASY-00-UNVE9-35-NA
 [LUMINAIRE] Natural anodized aluminum housing with frosted glass lens
 [LAMP] Twenty (20) white LEDs (3500K) with asymmetric optic
 [_ELECTRICALS] 120.02 VAC, 0.08 A, 0.9936 PF, 14% ATHD

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	627
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	69
Total Luminaire Watts	9.07
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.74
Spacing Criterion (90-270)	1.14
Spacing Criterion (Diagonal)	1.32
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.13 ft
Luminous Width (90-270)	0.96 ft
Luminous Height	0.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	32635	34522	17421
55	22622	28197	14899
65	14679	21523	12339
75	9323	14875	9434
85	4461	6903	4719

IES INDOOR REPORT
PHOTOMETRIC FILENAME : C6RX-ASY-00-UNVE9-35-NA.IES

CANDELA TABULATION

	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
0.0	269.04	269.04	269.04	269.04	269.04	269.04	269.04	269.04	269.04	269.04
2.5	295.74	295.68	295.63	295.32	295.00	294.15	293.30	292.62	291.94	291.12
5.0	327.26	326.89	326.51	325.32	324.11	322.14	320.17	317.58	314.98	312.18
7.5	357.00	356.20	355.40	353.40	351.40	348.18	344.95	340.85	336.74	331.89
10.0	383.40	382.27	381.13	378.54	375.94	371.62	367.29	361.75	356.20	349.60
12.5	405.75	404.40	403.04	399.93	396.82	391.80	386.77	379.93	373.09	364.99
15.0	423.36	421.73	420.11	416.84	413.57	407.83	402.10	394.52	386.94	377.55
17.5	435.41	433.66	431.91	428.52	425.12	419.26	413.39	405.15	396.90	386.60
20.0	442.13	440.42	438.70	435.33	431.96	426.15	420.33	411.91	403.49	392.49
22.5	442.91	441.28	439.65	436.53	433.40	427.86	422.31	414.02	405.72	394.59
25.0	438.43	436.84	435.26	432.53	429.79	424.72	419.63	411.86	404.08	393.06
27.5	428.97	427.31	425.65	423.55	421.45	417.07	412.69	405.59	398.48	387.79
30.0	413.70	412.48	411.25	409.75	408.23	404.74	401.25	395.13	389.00	379.17
32.5	394.85	393.77	392.69	391.91	391.12	388.53	385.93	380.96	375.98	367.16
35.0	371.86	371.05	370.22	370.29	370.35	368.86	367.36	363.70	360.04	352.41
37.5	345.83	345.29	344.74	345.43	346.10	345.86	345.60	343.39	341.17	334.84
40.0	317.37	317.15	316.93	318.55	320.16	321.00	321.84	320.91	319.97	315.21
42.5	287.32	287.37	287.41	289.83	292.23	294.25	296.27	296.83	297.38	294.08
45.0	256.97	257.34	257.71	260.76	263.79	266.71	269.63	271.60	273.55	271.83
47.5	226.61	227.26	227.91	231.46	235.01	238.99	242.96	246.03	249.09	248.81
50.0	197.16	198.18	199.20	203.14	207.07	211.76	216.43	220.61	224.78	225.63
52.5	169.69	170.82	171.94	176.04	180.14	185.43	190.71	195.63	200.54	202.62
55.0	144.49	145.65	146.80	150.92	155.05	160.61	166.16	171.65	177.14	180.10
57.5	122.11	123.27	124.44	128.35	132.25	137.79	143.33	149.09	154.84	158.43
60.0	102.04	103.14	104.25	108.08	111.90	117.38	122.85	128.48	134.11	138.06
62.5	84.51	85.56	86.60	90.00	93.40	98.66	103.92	109.46	115.00	119.25
65.0	69.08	70.10	71.12	74.07	77.02	81.82	86.62	91.80	96.98	101.29
67.5	55.90	56.82	57.75	60.21	62.68	66.87	71.05	75.73	80.42	84.57
70.0	44.83	45.52	46.20	48.28	50.34	53.89	57.44	61.49	65.52	69.28
72.5	35.11	35.68	36.25	37.92	39.59	42.48	45.37	48.75	52.13	55.37
75.0	26.87	27.29	27.71	29.02	30.32	32.59	34.85	37.54	40.21	42.87
77.5	19.77	20.06	20.35	21.29	22.23	23.91	25.58	27.59	29.58	31.64
80.0	13.58	13.79	13.99	14.64	15.30	16.43	17.56	18.99	20.42	21.85
82.5	8.42	8.57	8.71	9.10	9.49	10.17	10.85	11.69	12.53	13.43
85.0	4.33	4.43	4.53	4.70	4.86	5.18	5.50	5.90	6.29	6.70
87.5	1.55	1.58	1.61	1.65	1.69	1.79	1.90	1.99	2.08	2.19
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles **Horizontal Angles**

	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>	<u>95</u>
0.0	269.04	269.04	269.04	269.04	269.04	269.04	269.04	269.04	269.04	269.04
2.5	290.31	289.07	287.82	285.95	284.08	281.79	279.49	276.86	274.24	271.36
5.0	309.37	305.81	302.24	297.83	293.41	288.31	283.20	277.92	272.64	267.11
7.5	327.04	321.25	315.46	308.47	301.48	293.77	286.05	278.07	270.09	261.83
10.0	342.99	335.13	327.26	317.75	308.23	297.95	287.68	277.00	266.30	255.69
12.5	356.88	346.97	337.04	325.20	313.36	300.58	287.79	274.62	261.45	248.56
15.0	368.16	356.35	344.54	330.85	317.16	301.94	286.72	271.19	255.65	240.57
17.5	376.30	363.29	350.27	334.51	318.74	301.39	284.04	266.45	248.86	231.84
20.0	381.50	367.40	353.30	336.06	318.81	299.57	280.33	260.68	241.02	222.49
22.5	383.47	368.64	353.81	335.47	317.13	296.22	275.30	253.92	232.54	212.74
25.0	382.02	366.84	351.66	332.64	313.61	291.28	268.95	246.20	223.45	202.57
27.5	377.10	362.20	347.29	327.59	307.88	284.69	261.50	237.65	213.79	192.13
30.0	369.33	354.81	340.30	320.43	300.57	276.81	253.06	228.35	203.65	181.40

IES INDOOR REPORT
PHOTOMETRIC FILENAME : C6RX-ASY-00-UNVE9-35-NA.IES

CANDELA TABULATION - (Cont.)

32.5	358.34	344.69	331.04	311.33	291.63	267.55	243.47	218.18	192.88	170.64
35.0	344.78	332.05	319.33	300.25	281.17	257.00	232.82	207.40	181.98	159.99
37.5	328.50	317.15	305.80	287.45	269.08	245.29	221.50	196.15	170.81	149.33
40.0	310.45	300.44	290.43	273.06	255.69	232.48	209.26	184.41	159.54	138.84
42.5	290.77	282.16	273.55	257.45	241.33	218.91	196.48	172.39	148.29	128.49
45.0	270.11	262.93	255.75	240.89	226.02	204.77	183.50	160.34	137.17	118.40
47.5	248.53	242.79	237.04	223.64	210.24	190.04	169.83	148.10	126.36	108.67
50.0	226.48	222.22	217.96	205.94	193.91	175.10	156.28	136.02	115.76	99.27
52.5	204.71	201.55	198.39	187.89	177.40	160.10	142.80	124.11	105.43	90.12
55.0	183.05	181.12	179.18	170.03	160.87	145.26	129.64	112.41	95.16	81.35
57.5	162.02	161.00	159.98	152.26	144.55	130.66	116.77	101.04	85.31	72.93
60.0	142.01	141.82	141.62	135.19	128.75	116.36	103.97	89.87	75.78	64.85
62.5	123.50	123.75	124.00	118.82	113.63	102.54	91.45	79.13	66.79	57.23
65.0	105.60	106.34	107.09	102.89	98.67	89.09	79.52	68.80	58.07	49.87
67.5	88.71	89.70	90.68	87.38	84.08	76.03	67.98	58.91	49.84	42.92
70.0	73.04	74.16	75.26	72.77	70.28	63.69	57.09	49.49	41.89	36.14
72.5	58.61	59.73	60.85	59.02	57.19	51.93	46.68	40.41	34.12	29.61
75.0	45.52	46.49	47.46	46.21	44.95	40.88	36.81	32.00	27.19	23.66
77.5	33.69	34.53	35.37	34.50	33.63	30.66	27.68	24.11	20.53	17.90
80.0	23.27	23.89	24.50	23.91	23.32	21.33	19.33	16.86	14.38	12.59
82.5	14.32	14.67	15.01	14.70	14.37	13.19	12.01	10.52	9.03	7.91
85.0	7.11	7.27	7.41	7.28	7.14	6.55	5.96	5.27	4.58	4.02
87.5	2.30	2.30	2.29	2.26	2.22	2.04	1.85	1.64	1.41	1.34
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Horizontal Angles
Angles

	<u>100</u>	<u>105</u>	<u>110</u>	<u>115</u>	<u>120</u>	<u>125</u>	<u>130</u>	<u>135</u>	<u>140</u>	<u>145</u>
0.0	269.04	269.04	269.04	269.04	269.04	269.04	269.04	269.04	269.04	269.04
2.5	268.49	265.51	262.53	259.32	256.11	252.95	249.78	246.59	243.40	241.02
5.0	261.58	256.08	250.58	245.04	239.49	234.28	229.05	224.29	219.53	215.81
7.5	253.56	245.71	237.87	230.27	222.68	215.66	208.64	202.40	196.16	191.49
10.0	245.08	234.89	224.68	215.27	205.85	197.40	188.94	181.64	174.34	168.88
12.5	235.66	223.49	211.32	200.31	189.31	179.64	169.97	162.10	154.22	148.36
15.0	225.48	211.59	197.71	185.52	173.33	162.90	152.47	144.26	136.03	130.12
17.5	214.81	199.53	184.25	171.11	157.97	147.24	136.50	128.35	120.20	114.29
20.0	203.96	187.47	170.99	157.40	143.81	133.00	122.20	114.18	106.15	100.40
22.5	192.94	175.63	158.32	144.57	130.83	120.18	109.54	101.65	93.77	88.41
25.0	181.68	163.91	146.12	132.50	118.89	108.44	97.99	90.65	83.29	78.40
27.5	170.46	152.56	134.65	121.28	107.92	97.86	87.80	81.08	74.36	69.96
30.0	159.16	141.58	123.99	110.89	97.81	88.46	79.10	72.95	66.80	62.84
32.5	148.39	131.11	113.83	101.32	88.82	80.14	71.46	65.93	60.40	56.87
35.0	137.99	121.16	104.32	92.53	80.73	72.81	64.90	59.89	54.88	51.79
37.5	127.86	111.64	95.42	84.38	73.35	66.25	59.14	54.71	50.28	47.45
40.0	118.14	102.68	87.21	77.09	66.97	60.51	54.03	50.09	46.14	43.63
42.5	108.68	94.17	79.66	70.41	61.15	55.36	49.57	46.05	42.53	40.33
45.0	99.62	86.16	72.68	64.29	55.90	50.72	45.55	42.43	39.31	37.37
47.5	90.97	78.60	66.23	58.71	51.20	46.61	42.00	39.19	36.37	34.68
50.0	82.79	71.54	60.29	53.53	46.78	42.70	38.60	36.18	33.76	32.21
52.5	74.81	64.77	54.73	48.77	42.80	39.21	35.61	33.45	31.28	29.90
55.0	67.53	58.56	49.58	44.31	39.03	35.86	32.67	30.78	28.89	27.63
57.5	60.56	52.63	44.69	40.06	35.43	32.64	29.85	28.21	26.56	25.46
60.0	53.93	46.96	39.98	36.00	32.01	29.58	27.16	25.71	24.26	23.30
62.5	47.65	41.67	35.68	32.16	28.64	26.59	24.54	23.26	21.99	21.17
65.0	41.66	36.54	31.41	28.41	25.39	23.64	21.89	20.78	19.68	18.99
67.5	36.00	31.63	27.26	24.75	22.23	20.74	19.24	18.29	17.33	16.71

IES INDOOR REPORT
PHOTOMETRIC FILENAME : C6RX-ASY-00-UNVE9-35-NA.IES

CANDELA TABULATION - (Cont.)

70.0	30.39	26.85	23.31	21.18	19.05	17.84	16.62	15.81	15.01	14.46
72.5	25.09	22.23	19.37	17.66	15.95	14.96	13.97	13.31	12.64	12.21
75.0	20.13	17.88	15.62	14.29	12.94	12.10	11.25	10.74	10.24	9.90
77.5	15.27	13.61	11.96	10.95	9.95	9.36	8.76	8.34	7.91	7.66
80.0	10.79	9.66	8.53	7.81	7.10	6.71	6.31	6.01	5.71	5.56
82.5	6.78	6.13	5.48	5.03	4.58	4.32	4.07	3.89	3.71	3.63
85.0	3.46	3.18	2.88	2.68	2.47	2.38	2.28	2.18	2.08	2.02
87.5	1.26	1.19	1.13	1.07	1.01	0.98	0.95	0.94	0.92	0.89
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Horizontal Angles
Angles

	<u>150</u>	<u>155</u>	<u>160</u>	<u>165</u>	<u>170</u>	<u>175</u>	<u>180</u>
0.0	269.04	269.04	269.04	269.04	269.04	269.04	269.04
2.5	238.65	237.03	235.40	234.34	233.28	232.55	231.82
5.0	212.09	209.41	206.73	205.16	203.58	202.53	201.47
7.5	186.81	183.41	179.99	177.86	175.71	174.58	173.44
10.0	163.42	159.54	155.67	153.29	150.91	149.77	148.63
12.5	142.50	138.42	134.34	131.88	129.41	128.17	126.93
15.0	124.22	120.14	116.05	113.56	111.07	110.02	108.97
17.5	108.37	104.33	100.27	97.87	95.47	94.43	93.39
20.0	94.64	90.91	87.18	84.87	82.56	81.65	80.73
22.5	83.05	79.62	76.18	74.18	72.19	71.33	70.46
25.0	73.51	70.46	67.41	65.57	63.73	63.03	62.32
27.5	65.56	62.81	60.06	58.44	56.81	56.24	55.68
30.0	58.87	56.47	54.07	52.61	51.14	50.65	50.15
32.5	53.33	51.18	49.02	47.75	46.47	46.06	45.65
35.0	48.69	46.76	44.84	43.72	42.60	42.24	41.87
37.5	44.61	42.93	41.23	40.24	39.25	38.94	38.61
40.0	41.12	39.62	38.11	37.24	36.37	36.12	35.86
42.5	38.12	36.76	35.40	34.63	33.86	33.62	33.37
45.0	35.43	34.21	33.00	32.30	31.58	31.34	31.10
47.5	32.99	31.92	30.84	30.18	29.53	29.31	29.08
50.0	30.65	29.70	28.75	28.12	27.49	27.33	27.17
52.5	28.51	27.64	26.77	26.23	25.69	25.49	25.28
55.0	26.37	25.61	24.86	24.38	23.89	23.72	23.55
57.5	24.35	23.65	22.94	22.51	22.08	21.94	21.79
60.0	22.33	21.69	21.05	20.70	20.33	20.16	19.99
62.5	20.35	19.76	19.18	18.82	18.46	18.35	18.24
65.0	18.31	17.77	17.24	16.91	16.58	16.43	16.28
67.5	16.08	15.64	15.20	14.92	14.62	14.48	14.34
70.0	13.91	13.52	13.12	12.90	12.67	12.53	12.39
72.5	11.78	11.44	11.10	10.89	10.68	10.51	10.33
75.0	9.56	9.28	9.01	8.86	8.70	8.58	8.45
77.5	7.40	7.20	7.00	6.88	6.76	6.63	6.49
80.0	5.41	5.24	5.07	5.01	4.94	4.80	4.65
82.5	3.55	3.44	3.33	3.30	3.27	3.17	3.06
85.0	1.96	1.91	1.85	1.84	1.82	1.76	1.69
87.5	0.84	0.84	0.83	0.82	0.81	0.79	0.77
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : C6RX-ASY-00-UNVE9-35-NA.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	99.13	N.A.	15.80
0-30	209.20	N.A.	33.40
0-40	334.36	N.A.	53.40
0-60	537.97	N.A.	85.90
0-80	621.05	N.A.	99.10
0-90	626.58	N.A.	100.00
10-90	601.02	N.A.	95.90
20-40	235.23	N.A.	37.50
20-50	350.58	N.A.	56.00
40-70	259.85	N.A.	41.50
60-80	83.08	N.A.	13.30
70-80	26.84	N.A.	4.30
80-90	5.53	N.A.	0.90
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	626.58	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	25.55
10-20	73.58
20-30	110.07
30-40	125.16
40-50	115.35
50-60	88.25
60-70	56.24
70-80	26.84
80-90	5.53
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

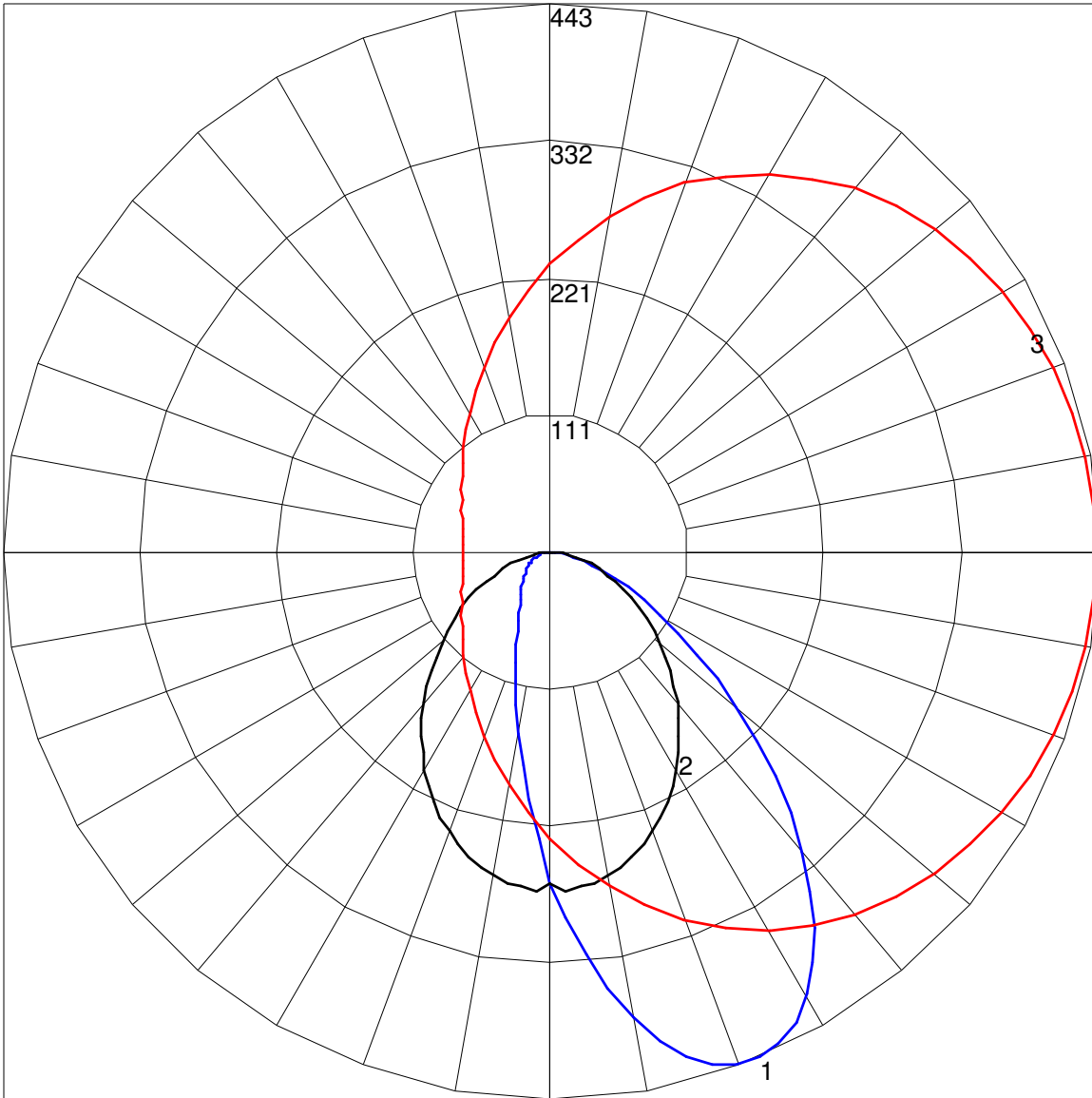
IES INDOOR REPORT
PHOTOMETRIC FILENAME : C6RX-ASY-00-UNVE9-35-NA.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0		
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0	
0	119	119	119	119	119	116	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	102	99	99	107	104	100	97	99	97	94	95	93	91	92	90	88	86	86
2	101	94	87	82	82	98	92	86	81	88	84	79	85	81	78	82	79	76	74	74
3	93	83	76	70	70	90	82	75	69	79	73	68	76	71	67	74	69	66	64	64
4	86	74	66	60	60	83	73	66	60	71	64	59	68	63	58	66	61	57	55	55
5	79	67	59	52	52	77	66	58	52	64	57	52	62	56	51	60	55	51	49	49
6	73	61	52	46	46	71	60	52	46	58	51	46	56	50	45	55	49	45	43	43
7	68	55	47	41	41	66	55	47	41	53	46	41	52	45	41	50	45	40	38	38
8	64	51	43	37	37	62	50	42	37	49	42	37	48	41	37	46	41	36	34	34
9	60	47	39	34	34	58	46	39	33	45	38	33	44	38	33	43	37	33	31	31
10	56	43	36	31	31	55	43	35	31	42	35	30	41	35	30	40	34	30	28	28

POLAR GRAPH



Maximum Candela = 442.91 Located At Horizontal Angle = 0, Vertical Angle = 22.5

1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

2 - Vertical Plane Through Horizontal Angles (90 - 270)

3 - Horizontal Cone Through Vertical Angle (22.5) (Through Max. Cd.)