



**IES INDOOR REPORT**

**PHOTOMETRIC FILENAME : C7R05-12-6012-120E11-ST35S.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] L071505106  
 [TESTLAB] LIGHT LABORATORY, INC.  
 [ISSUEDATE] 7/31/2015  
 [MANUFAC] TEMPO  
 [LUMCAT] C7R05-12-6012-120E11-ST35S  
 [LUMINAIRE] LED LINEAR LIGHTING, NICHIA 219, MODEL 4 DRIVER  
 [MORE] SIZE: 3"L. X 13"W. X 3.25"H.  
 [BALLASTCAT] MODEL M4 DRIVER PWR-T4-120V-08  
 [LAMPPOSITION] 0,0  
 [LAMPCAT] N/A  
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND  
 [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.  
 [INPUT] 120VAC, 10.78W, 0.09A, 0.98PF, 12% THD  
 [TEST PROCEDURE] IESNA:LM-79-08

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	978
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	91
Total Luminaire Watts	10.78
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.34
Spacing Criterion (90-270)	1.18
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.15 ft
Luminous Width (90-270)	1.00 ft
Luminous Height	0.08 ft

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	13904	12540	14423
55	13199	11145	15206
65	12402	9994	14480
75	11707	9114	10802
85	11284	8632	9719

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**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>
<b>0</b>	266.89	266.89	266.89	266.89	266.89	266.89	266.89	266.89	266.89	266.89
<b>5</b>	266.15	265.94	266.02	265.72	265.77	265.81	265.77	265.59	265.64	265.77
<b>10</b>	263.24	263.28	262.98	262.94	263.07	262.85	262.94	262.42	262.51	261.95
<b>15</b>	258.53	258.95	258.61	258.52	258.31	258.01	257.75	257.15	256.64	255.78
<b>20</b>	253.30	253.30	253.08	252.53	252.10	251.50	250.68	249.83	248.41	247.56
<b>25</b>	246.36	246.14	246.01	245.41	244.56	243.40	241.73	240.40	238.52	236.67
<b>30</b>	238.99	238.90	237.87	237.36	235.77	234.45	231.96	229.56	226.48	224.08
<b>35</b>	230.76	229.95	229.48	227.93	226.05	223.74	220.82	217.48	213.20	209.34
<b>40</b>	220.39	220.44	219.37	217.87	215.29	212.17	207.93	203.47	198.59	193.66
<b>45</b>	210.28	209.85	208.65	206.25	203.34	199.14	194.47	188.86	182.86	177.33
<b>50</b>	198.63	198.20	196.70	194.30	190.49	185.77	179.82	173.74	166.75	160.67
<b>55</b>	186.03	185.22	183.72	181.28	177.12	171.81	165.00	157.97	150.90	144.39
<b>60</b>	171.98	171.38	169.75	166.92	162.81	156.90	150.13	142.59	135.26	128.66
<b>65</b>	156.73	156.43	154.93	151.88	147.56	141.69	135.26	127.68	120.35	113.71
<b>70</b>	141.56	141.09	139.50	136.72	132.35	126.73	120.22	113.07	106.08	99.57
<b>75</b>	126.39	125.58	124.34	121.59	117.61	112.25	106.13	99.23	92.46	86.16
<b>80</b>	111.57	110.97	109.73	107.07	103.30	98.29	92.76	86.33	79.91	73.74
<b>85</b>	97.34	97.17	95.59	93.44	89.80	85.35	79.95	74.21	68.25	62.51
<b>90</b>	84.15	83.55	82.39	79.99	76.91	72.66	68.08	62.68	57.24	51.93
<b>95</b>	70.44	70.14	68.77	66.84	63.88	60.28	56.08	51.59	46.83	42.03
<b>100</b>	57.41	57.07	56.00	54.11	51.67	48.54	45.16	41.13	37.02	32.56
<b>105</b>	45.50	45.03	44.17	42.63	40.62	37.88	34.83	31.41	27.68	23.69
<b>110</b>	34.62	34.36	33.55	32.26	30.46	28.11	25.41	22.32	18.77	15.00
<b>115</b>	24.68	24.55	23.74	22.62	20.95	18.81	16.20	13.24	9.94	6.60
<b>120</b>	15.08	14.82	14.10	12.98	11.44	9.51	7.28	5.01	2.83	1.29
<b>125</b>	6.00	5.87	5.36	4.63	3.64	2.57	1.67	0.99	0.86	0.77
<b>130</b>	1.37	1.37	1.20	1.16	1.07	0.94	0.90	0.86	0.86	0.81
<b>135</b>	1.03	1.03	1.03	1.03	0.99	0.99	0.94	0.94	0.86	0.86
<b>140</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>145</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>150</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>155</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>160</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>165</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>170</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>175</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>180</b>	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>
<b>0</b>	266.89	266.89	266.89	266.89	266.89	266.89	266.89	266.89	266.89
<b>5</b>	265.72	265.59	265.51	265.64	265.34	265.51	265.04	265.89	265.29
<b>10</b>	262.00	261.57	261.40	261.31	261.14	261.05	260.54	261.14	260.67
<b>15</b>	255.65	254.84	254.75	253.68	253.60	253.30	253.13	252.53	252.36
<b>20</b>	246.23	245.46	244.30	243.36	242.33	241.56	240.96	240.96	240.70
<b>25</b>	234.75	232.86	231.15	229.39	228.06	226.82	225.75	225.71	225.19
<b>30</b>	220.91	218.04	215.29	213.20	211.22	209.77	208.48	207.71	207.45
<b>35</b>	205.40	201.41	198.46	195.33	193.32	191.34	190.14	189.16	188.95
<b>40</b>	188.69	184.58	180.50	177.38	174.85	173.22	171.81	171.25	171.04
<b>45</b>	171.76	166.88	162.94	159.51	157.63	155.74	154.67	153.64	153.64
<b>50</b>	154.71	149.96	146.14	143.06	140.92	139.33	138.39	138.05	138.22
<b>55</b>	138.39	133.68	130.08	127.68	127.29	128.96	132.43	134.83	135.56
<b>60</b>	122.84	118.17	115.42	116.50	121.08	122.79	123.99	123.82	123.74

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**CANDELA TABULATION - (Cont.)**

<b>65</b>	107.97	103.81	103.04	106.56	106.68	104.28	102.18	100.69	100.00
<b>70</b>	93.92	90.02	90.70	89.50	85.26	80.98	77.76	75.19	74.29
<b>75</b>	80.51	76.56	74.16	69.24	63.45	57.93	53.64	51.24	50.64
<b>80</b>	68.04	63.50	58.40	52.10	45.46	39.46	35.78	34.62	34.28
<b>85</b>	56.90	52.01	46.06	39.33	32.61	26.82	24.25	22.41	22.62
<b>90</b>	46.19	40.83	34.66	28.28	22.19	17.01	13.75	12.55	10.63
<b>95</b>	36.59	31.19	25.45	19.84	14.87	11.01	8.87	8.23	7.46
<b>100</b>	27.85	22.97	17.95	13.24	9.17	6.68	6.17	6.43	6.77
<b>105</b>	19.24	14.91	10.58	6.64	3.86	3.81	4.84	5.44	5.74
<b>110</b>	10.93	6.98	3.56	1.84	1.89	2.06	2.27	2.66	3.00
<b>115</b>	3.51	1.41	0.94	0.99	1.11	1.16	1.29	1.29	1.46
<b>120</b>	0.77	0.69	0.69	0.69	0.73	0.77	0.77	0.86	0.86
<b>125</b>	0.69	0.69	0.69	0.69	0.69	0.69	0.60	0.60	0.51
<b>130</b>	0.77	0.77	0.69	0.69	0.69	0.69	0.69	0.69	0.00
<b>135</b>	0.86	0.86	0.86	0.86	0.86	0.81	0.81	0.73	0.00
<b>140</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>145</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>150</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>155</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>160</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>165</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>170</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>175</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>180</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	97.44	N.A.	10.00
0-30	206.36	N.A.	21.10
0-40	337.61	N.A.	34.50
0-60	612.53	N.A.	62.60
0-80	828.62	N.A.	84.70
0-90	895.94	N.A.	91.60
10-90	870.70	N.A.	89.00
20-40	240.17	N.A.	24.60
20-50	379.13	N.A.	38.80
40-70	396.48	N.A.	40.50
60-80	216.09	N.A.	22.10
70-80	94.53	N.A.	9.70
80-90	67.32	N.A.	6.90
90-110	69.14	N.A.	7.10
90-120	79.50	N.A.	8.10
90-130	81.75	N.A.	8.40
90-150	82.27	N.A.	8.40
90-180	82.27	N.A.	8.40
110-180	13.13	N.A.	1.30
0-180	978.21	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	25.24
10-20	72.20
20-30	108.91
30-40	131.26
40-50	138.96
50-60	135.96
60-70	121.56
70-80	94.53
80-90	67.32
90-100	44.07
100-110	25.07
110-120	10.36
120-130	2.26
130-140	0.52
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

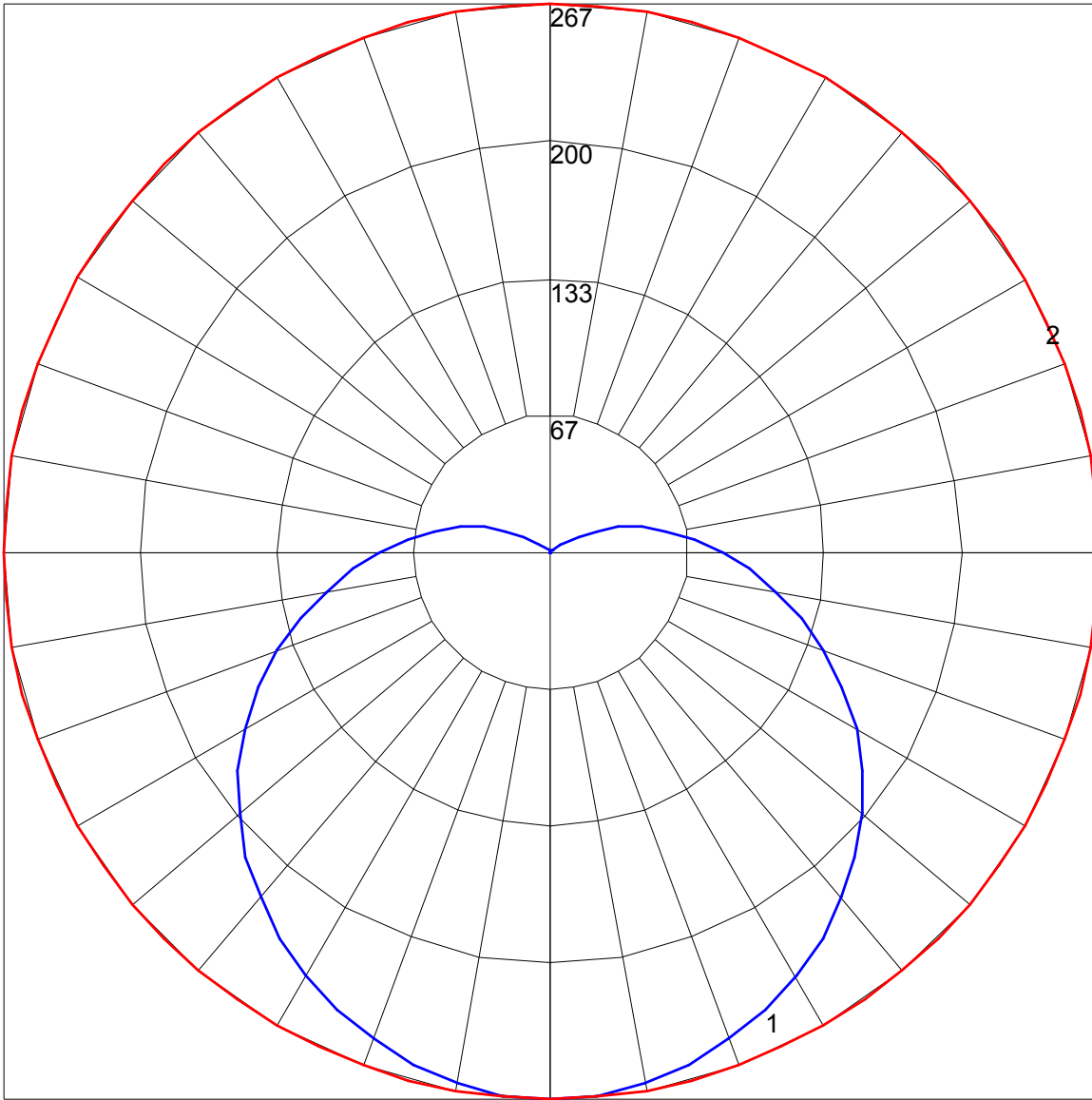
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	117	117	117	117	113	113	113	113	106	106	106	100	100	100	94	94	94	92
1	104	98	93	88	100	95	90	86	89	85	82	84	81	78	79	76	74	71
2	94	84	77	70	90	82	75	68	77	71	66	72	67	63	68	64	60	57
3	85	73	64	57	82	71	63	56	67	60	54	63	57	52	59	54	50	47
4	77	65	55	48	74	63	54	47	59	51	45	56	49	44	52	47	42	40
5	71	57	48	41	68	56	47	40	53	45	39	50	43	38	47	41	37	34
6	66	52	42	35	63	50	41	35	47	40	34	45	38	33	42	37	32	30
7	61	47	37	31	58	45	37	31	43	35	30	41	34	29	39	33	28	26
8	56	42	34	28	54	41	33	27	39	32	27	37	31	26	36	30	25	23
9	53	39	30	25	51	38	30	24	36	29	24	34	28	23	33	27	23	21
10	49	36	28	22	48	35	27	22	33	26	22	32	26	21	30	25	21	19

POLAR GRAPH



Maximum Candela = 266.89 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)