



**IES INDOOR REPORT**

**PHOTOMETRIC FILENAME : C7R00-12-3312-120E11-ST35S.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] L071505103  
 [TESTLAB] LIGHT LABORATORY, INC.  
 [ISSUEDATE] 7/31/2015  
 [MANUFAC] TEMPO  
 [LUMCAT] C7R00-12-3312-120E11-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, 11.04W, 0.09A, 0.98PF, 9% THD  
 [TEST PROCEDURE] IESNA:LM-79-08

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	570
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	52
Total Luminaire Watts	11.04
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.22
Spacing Criterion (Diagonal)	1.24
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	8970	9408	11552
55	1082	1666	3989
65	624	851	1824
75	207	367	1169
85	109	202	662

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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>	337.39	337.39	337.39	337.39	337.39	337.39	337.39	337.39	337.39	337.39
<b>5</b>	333.76	333.85	334.15	334.27	334.87	335.09	335.35	335.43	335.65	335.86
<b>10</b>	328.70	328.88	329.35	330.08	330.12	329.99	330.29	330.76	331.06	331.19
<b>15</b>	324.93	325.19	324.93	324.33	324.29	324.76	324.89	324.59	324.42	324.68
<b>20</b>	318.25	318.04	317.31	316.41	316.45	316.54	316.67	316.54	316.19	315.47
<b>25</b>	311.05	311.35	310.80	310.32	309.94	309.98	309.64	308.91	307.45	306.30
<b>30</b>	295.03	295.29	296.36	296.06	296.06	295.67	295.80	296.01	295.33	293.91
<b>35</b>	275.92	275.49	275.62	274.25	271.46	268.85	267.35	268.12	269.36	270.14
<b>40</b>	223.48	223.65	222.24	218.55	214.57	210.67	208.78	209.94	212.98	215.85
<b>45</b>	135.65	135.65	134.62	131.88	127.29	123.39	122.58	124.89	128.88	133.03
<b>50</b>	49.70	49.91	50.73	51.63	50.56	49.06	49.10	51.11	54.16	57.41
<b>55</b>	15.25	15.47	16.54	17.65	18.51	18.81	19.15	19.71	20.48	21.59
<b>60</b>	10.54	10.63	11.23	12.00	12.73	13.20	13.28	13.28	12.98	12.81
<b>65</b>	7.88	8.06	8.66	9.64	10.37	10.80	10.71	10.45	10.07	9.68
<b>70</b>	4.54	4.71	5.44	6.17	6.86	7.24	7.20	7.07	6.77	6.47
<b>75</b>	2.23	2.36	2.61	3.00	3.34	3.51	3.56	3.56	3.51	3.47
<b>80</b>	1.46	1.46	1.50	1.67	1.71	1.80	1.89	1.93	2.01	2.10
<b>85</b>	0.94	0.99	1.07	1.11	1.20	1.20	1.29	1.33	1.41	1.46
<b>90</b>	0.77	0.77	0.81	0.90	0.90	0.94	0.99	1.07	1.11	1.11
<b>95</b>	0.69	0.69	0.73	0.77	0.77	0.90	0.94	0.94	0.99	0.99
<b>100</b>	0.69	0.69	0.73	0.77	0.77	0.81	0.86	0.86	0.86	0.86
<b>105</b>	0.69	0.69	0.73	0.73	0.81	0.81	0.81	0.81	0.81	0.77
<b>110</b>	0.69	0.69	0.69	0.73	0.73	0.73	0.73	0.69	0.64	0.56
<b>115</b>	0.51	0.56	0.60	0.60	0.60	0.56	0.51	0.47	0.43	0.34
<b>120</b>	0.43	0.43	0.43	0.43	0.43	0.43	0.39	0.34	0.30	0.26
<b>125</b>	0.34	0.34	0.34	0.34	0.34	0.34	0.30	0.26	0.26	0.26
<b>130</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>135</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<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. 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>	337.39	337.39	337.39	337.39	337.39	337.39	337.39	337.39	337.39
<b>5</b>	335.86	336.03	336.16	336.46	336.63	336.89	336.93	337.02	337.10
<b>10</b>	331.45	331.66	331.88	332.30	332.73	333.07	333.59	333.85	334.10
<b>15</b>	324.76	324.76	324.68	325.02	325.45	326.18	327.08	327.59	327.93
<b>20</b>	315.04	314.91	314.87	315.81	316.79	317.99	319.15	319.79	320.05
<b>25</b>	305.74	304.88	304.71	304.37	304.58	304.58	305.35	305.83	305.83
<b>30</b>	292.54	290.36	286.93	284.36	282.60	279.95	278.06	277.72	278.58
<b>35</b>	268.72	262.77	253.94	245.20	237.87	231.19	226.43	225.19	225.53
<b>40</b>	214.22	207.45	199.01	189.76	182.13	177.16	173.09	173.05	174.72
<b>45</b>	134.83	136.42	137.23	135.13	130.76	126.61	122.75	122.11	123.05
<b>50</b>	62.73	69.58	76.26	80.85	81.32	77.29	73.22	71.25	71.04
<b>55</b>	24.16	29.26	34.79	38.30	38.95	37.83	36.50	35.69	35.56
<b>60</b>	13.11	14.48	16.41	18.12	19.28	19.62	19.41	19.28	19.28

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**CANDELA TABULATION - (Cont.)**

<b>65</b>	9.51	9.25	9.90	10.84	11.61	12.25	12.51	12.55	12.60
<b>70</b>	6.04	5.83	5.96	6.43	7.16	8.01	8.48	8.66	8.66
<b>75</b>	3.43	3.43	3.56	3.86	4.24	4.76	5.23	5.44	5.48
<b>80</b>	2.19	2.23	2.36	2.49	2.57	2.79	3.00	3.13	3.26
<b>85</b>	1.50	1.54	1.59	1.59	1.59	1.54	1.54	1.50	1.54
<b>90</b>	1.11	1.16	1.11	1.07	0.99	0.86	0.73	0.60	0.51
<b>95</b>	0.94	0.94	0.86	0.77	0.60	0.51	0.47	0.39	0.43
<b>100</b>	0.86	0.81	0.73	0.60	0.47	0.39	0.39	0.47	0.51
<b>105</b>	0.69	0.60	0.47	0.34	0.34	0.26	0.34	0.43	0.43
<b>110</b>	0.47	0.34	0.26	0.21	0.21	0.34	0.34	0.43	0.43
<b>115</b>	0.26	0.17	0.13	0.17	0.17	0.30	0.34	0.34	0.34
<b>120</b>	0.17	0.17	0.21	0.21	0.26	0.26	0.26	0.26	0.26
<b>125</b>	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
<b>130</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>135</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	123.77	N.A.	21.70
0-30	264.84	N.A.	46.50
0-40	422.41	N.A.	74.10
0-60	551.39	N.A.	96.80
0-80	566.16	N.A.	99.40
0-90	567.75	N.A.	99.60
10-90	535.85	N.A.	94.00
20-40	298.64	N.A.	52.40
20-50	399.03	N.A.	70.00
40-70	139.45	N.A.	24.50
60-80	14.77	N.A.	2.60
70-80	4.30	N.A.	0.80
80-90	1.60	N.A.	0.30
90-110	1.51	N.A.	0.30
90-120	1.91	N.A.	0.30
90-130	2.11	N.A.	0.40
90-150	2.11	N.A.	0.40
90-180	2.11	N.A.	0.40
110-180	0.60	N.A.	0.10
0-180	569.86	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	31.91
10-20	91.86
20-30	141.07
30-40	157.57
40-50	100.39
50-60	28.60
60-70	10.47
70-80	4.30
80-90	1.60
90-100	0.86
100-110	0.65
110-120	0.40
120-130	0.20
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

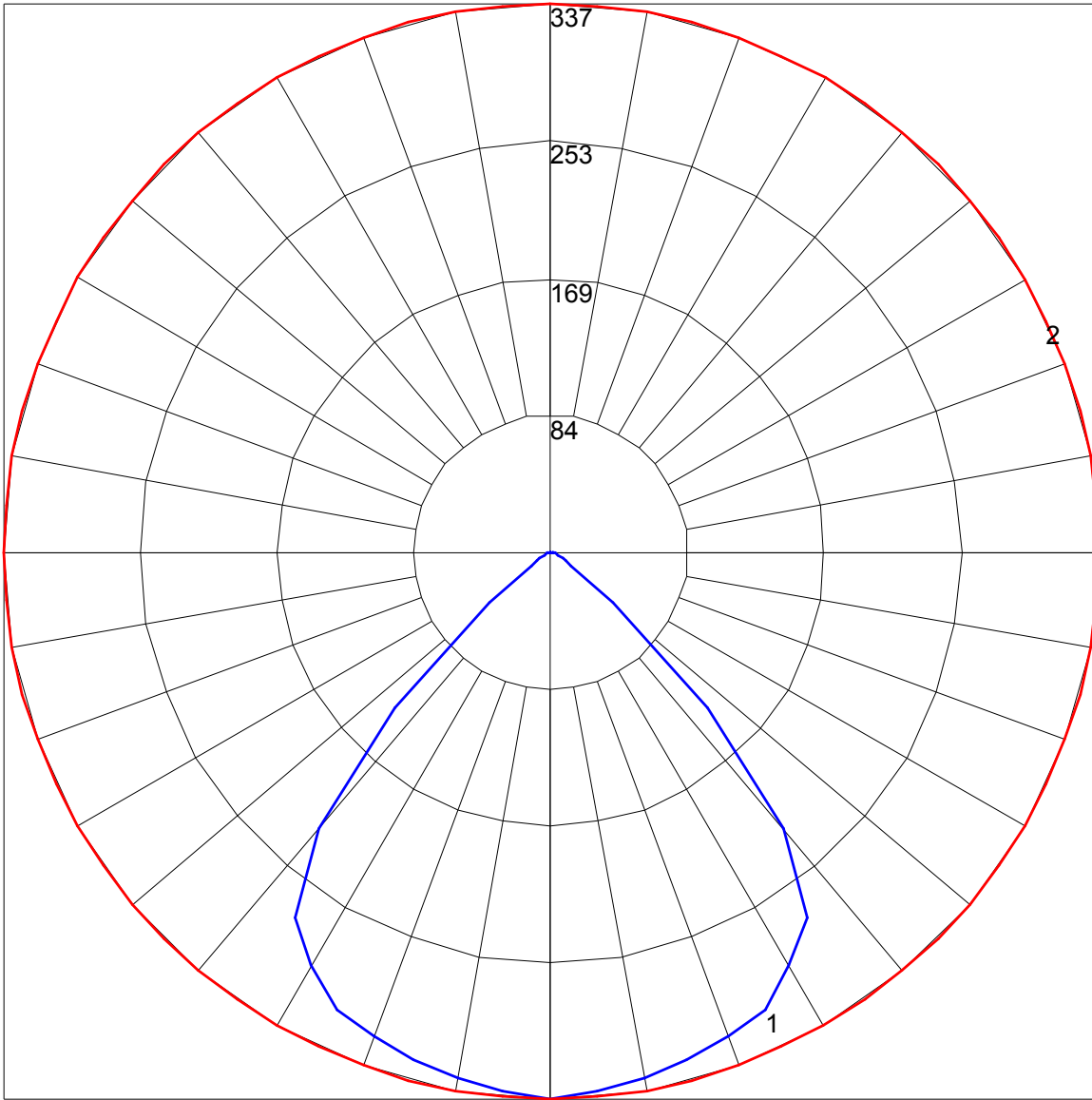
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC	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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	103	109	107	104	101	102	100	98	99	97	95	95	94	92	90
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	90	84	80	96	89	83	79	86	81	77	84	80	76	81	78	75	73
4	92	83	76	71	90	81	75	70	79	74	69	77	72	69	75	71	68	66
5	86	76	69	63	84	75	68	63	73	67	62	71	66	62	69	65	61	60
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	54
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	59	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45
9	66	55	48	43	65	55	48	43	53	47	43	52	47	43	51	46	43	41
10	63	51	44	40	61	51	44	40	50	44	40	49	43	39	48	43	39	38

POLAR GRAPH



Maximum Candela = 337.39 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.)