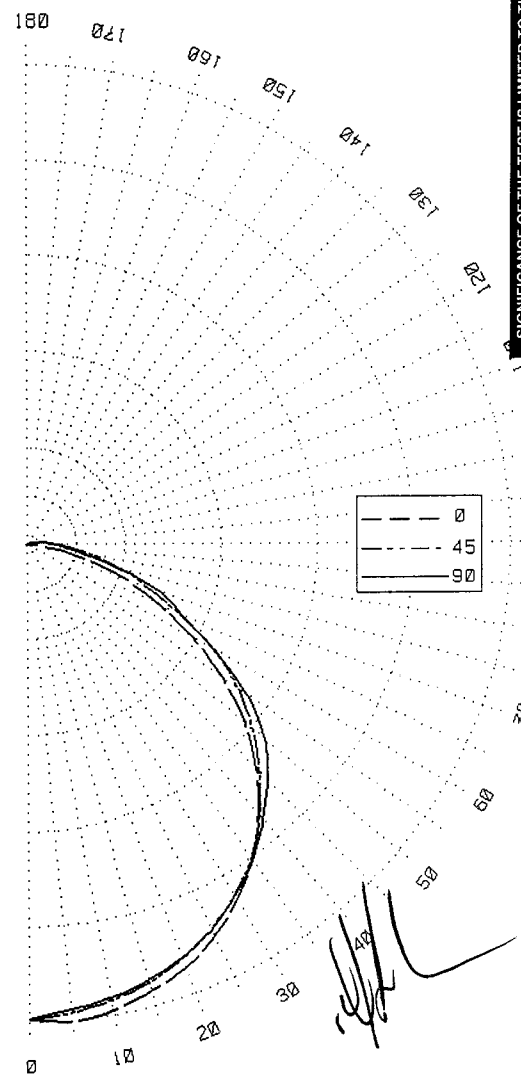


BALLABS CERTIFIED TEST REPORT NO.: 19669.0 DATE 01/18/17
PREPARED FOR: SCIENTIFIC LIGHTING PRODUCTS, INC - FENTON, MO
DESCRIPTION: 88 LED (44 PER BOARD) 1L-4' ENCLOSED & GASKETED ENCLOSURE
WITH WHITE FLAT TRAY WITH FROSTED DROP LENS
PHILIPS XITANIUM DRIVER #XI054C150V054BST1 w/8K RESISTOR
CATALOG NBR: CT2-LED-1L4-LB-35-U
LAMP TYPE : (2) FORTIMO LED LINE 2FT 4000LM 835 IR LV2

CANDLEPOWER DISTRIBUTION						
VERT	HORIZONTAL ANGLE					ZONAL
ANG	0	22.5	45	67.5	90	LUMENS
0	2167.	2167.	2167.	2167.	2167.	
5	2187.	2160.	2149.	2138.	2132.	205.4
10	2163.	2134.	2115.	2108.	2102.	
15	2114.	2090.	2075.	2069.	2061.	589.7
20	2060.	2028.	2014.	2016.	2011.	
25	1984.	1944.	1947.	1951.	1947.	903.5
30	1882.	1845.	1858.	1873.	1862.	
35	1760.	1734.	1755.	1764.	1764.	1101.7
40	1617.	1606.	1626.	1638.	1650.	
45	1456.	1446.	1476.	1503.	1528.	1145.5
50	1279.	1270.	1326.	1357.	1398.	
55	1070.	1079.	1158.	1181.	1209.	1022.1
60	856.	875.	970.	967.	958.	
65	660.	684.	758.	766.	768.	725.2
70	468.	512.	575.	630.	634.	
75	286.	350.	440.	459.	440.	426.5
80	145.	221.	312.	288.	265.	
85	54.	138.	208.	185.	175.	176.0
90	17.	87.	143.	134.	128.	
95	11.	53.	98.	100.	97.	83.2
100	8.	30.	67.	75.	74.	
105	6.	17.	43.	55.	56.	38.6
110	2.	8.	26.	38.	39.	
115	0.	2.	17.	25.	26.	14.2
120	0.	0.	10.	17.	18.	
125	0.	0.	6.	12.	13.	5.5
130	0.	0.	0.	7.	10.	
135	0.	0.	0.	0.	6.	.6
140	0.	0.	0.	0.	0.	.0
145	0.	0.	0.	0.	0.	.0
150	0.	0.	0.	0.	0.	.0
155	0.	0.	0.	0.	0.	.0
160	0.	0.	0.	0.	0.	.0
165	0.	0.	0.	0.	0.	.0
170	0.	0.	0.	0.	0.	.0
175	0.	0.	0.	0.	0.	.0
180	0.	0.	0.	0.	0.	.0



NVLAP[®]
TESTING

NVLAP LAB CODE 200921-0

LUMEN SUMMARY							
ZONE	LUMENS	%LAMP	%FIXT	ZONE	LUMENS	%LAMP	%FIXT
0- 30	1699.	NA.	26.4	90-120	136.	NA.	2.1
0- 40	2800.	NA.	43.5	90-130	141.	NA.	2.2
0- 60	4968.	NA.	77.2	90-150	142.	NA.	2.2
0- 90	6296.	NA.	97.8	90-180	142.	NA.	2.2
TOTAL LUMINAIRE = 0-180					6438.	NA.	100.0

IES SPACING CRITERIA: END= 1.3 DIAGONAL = 1.3 CROSS= 1.3

THIS BALLABS REPORT WITH THE USE OF THE NVLAP LOGO SHALL NOT BE USED BY THIS CLIENT TO CLAIM PRODUCT CERTIFICATION, APPROVAL, OR ENDORSEMENT BY NVLAP, NIST, OR ANY AGENCY OF THE FEDERAL GOVERNMENT.

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 PHILIPS XITANIUM DRIVER #XI054C150V054BST1 w/8K RESISTOR
 CATALOG NBR: CT2-LED-1L4-LB-35-U
 LAMP TYPE : (2)FORTIMO LED LINE 2FT 4000LM 835 IR LV2

VERT ANGLE	LUMINANCES-CD/SQ-M HORIZONTAL ANGLE		
	0	45	90
45	19114.	12280.	12718.
55	17315.	10267.	10723.
65	14494.	7441.	7535.
75	10247.	5004.	5004.
85	5729.	2917.	2448.

MAXIMUM BRIGHTNESSES NOT MEASURED

ZONAL CAVITY COEFFICIENTS OF UTILIZATION

EFFECTIVE FLOOR CAVITY REFLECTANCE=.20

CEILING	.80				.70				.50				.30				.10				.00
WALL	.70	.50	.30	.10	.70	.50	.30	.10	.50	.30	.10	.50	.30	.10	.50	.30	.10	.00			
RCR																					
0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	.98			
1	1.09	1.04	1.00	.96	1.06	1.02	.98	.94	.97	.94	.91	.93	.90	.88	.89	.87	.85	.83			
2	.99	.92	.85	.80	.97	.90	.84	.78	.86	.81	.76	.82	.78	.74	.79	.75	.72	.70			
3	.91	.81	.73	.67	.89	.79	.72	.66	.76	.70	.65	.73	.68	.64	.70	.66	.62	.60			
4	.84	.72	.64	.57	.81	.71	.63	.57	.68	.61	.56	.65	.59	.55	.63	.58	.54	.52			
5	.76	.64	.55	.48	.74	.63	.54	.48	.60	.53	.47	.58	.52	.47	.56	.50	.46	.44			
6	.70	.57	.48	.42	.68	.56	.48	.42	.54	.47	.41	.52	.46	.41	.50	.45	.40	.38			
7	.65	.51	.42	.36	.63	.50	.42	.36	.49	.41	.36	.47	.40	.35	.45	.39	.35	.33			
8	.59	.46	.37	.31	.58	.45	.37	.31	.44	.36	.31	.42	.35	.31	.41	.35	.30	.28			
9	.55	.41	.33	.27	.53	.40	.32	.27	.39	.32	.27	.38	.31	.26	.37	.31	.26	.24			
10	.51	.37	.29	.24	.49	.37	.29	.24	.35	.28	.24	.34	.28	.23	.33	.27	.23	.21			

TESTED IN ACCORDANCE WITH CURRENT IES PROCEDURES

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PHILIPS XITANIUM DRIVER #XI054C150V054BST1 w/8K RESISTOR
CATALOG NBR: CT2-LED-1L4-LB-35-U
LAMP TYPE : (2) FORTIMO LED LINE 2FT 4000LM 835 IR LV2

ELECTRICAL CHARACTERISTICS 120.0V .4522A 52.710W

LUMINOUS EFFICACY (LUMENS / WATTS) = 122.1

TESTED IN ACCORDANCE WITH CURRENT IES STANDARDS
UTILIZING ABSOLUTE PHOTOMETRY PER LM-79-08

