



LUMINAIRE TESTING LABORATORY, INC.

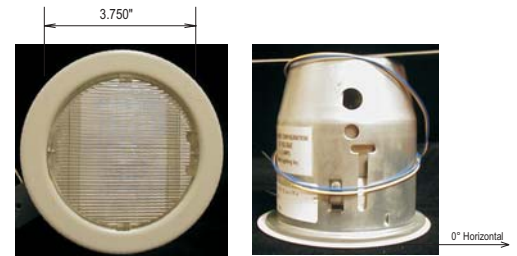
SUSTAINING MEMBER of the IESNA

905 Harrison Street · Allentown, PA 18103 · 610-770-1044 · Fax 610-770-8912 · www.LuminaireTesting.com

LTL NUMBER: 14380
 PREPARED FOR: SIGNTEX, INC.
 CATALOG NUMBER: MLD3 CREE CONFIGURATION
 LUMINAIRE: FORMED STEEL AND CAST ALUMINUM HOUSING, FORMED WHITE ENAMEL STEEL REFLECTOR, CLEAR LINEAR PRISMATIC PLASTIC LENS.
 LAMPS: THREE WHITE LEDS
 MOUNTING: RECESSED
 ELECTRICAL VALUES: 12.27VDC, 1.201A, 14.73W
 LUMINAIRE EFFICACY: 29.3 LUMENS/WATT
 NOTE: UPON REQUEST, TEST DATA WAS PRORATED TO INTENSITY VALUES MEASURED IMMEDIATELY FOLLOWING SWITCH-ON. THIS TEST WAS PERFORMED USING THE CALIBRATED PHOTODETECTOR METHOD OF ABSOLUTE PHOTOMETRY.* VERTICAL TEST DATA WAS ACQUIRED IN 1/2 DEGREE INCREMENTS.

DATE: 11-19-2008

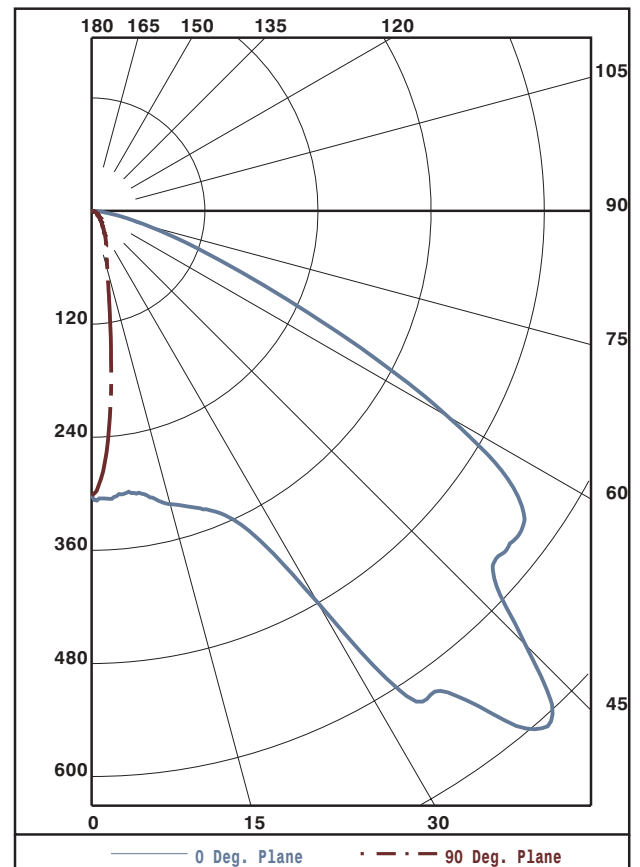
LUMINAIRE CANDELA DISTRIBUTION						ZONAL LUMEN SUMS
VER ANG	LATERAL ANGLE					
	0.0	22.5	45.0	67.5	90.0	
0	302	302	302	302	302	302
5	304	285	255	230	220	22
15	322	207	103	70	64	40
25	363	133	53	38	35	50
35	627	118	34	22	21	78
45	651	102	22	13	13	90
55	559	72	16	9	10	83
65	247	43	11	7	7	48
75	63	19	6	3	3	17
85	9	4	2	1	1	4
90	0	0	0	0	0	0



ZONAL LUMEN SUMMARY DATA IN MAJOR ZONES		
ZONE	LUMENS	%FIXT
0-30	113	26.04
0-40	190	44.00
0-60	364	84.11
0-90	432	100.00
90-180	0	0.00
0-180	432	100.00

TOTAL LUMEN OUTPUT: 432
 CIE CLASSIFICATION TYPE: DIRECT
 LUMINAIRE SPACING CRITERION 0-DEG: 2.47
 LUMINAIRE SPACING CRITERION 90-DEG: 0.31
 LUMINOUS DIAMETER OF LUMINAIRE: 3.750"

LUMINANCE IN CANDELA PER SQUARE METER			
VER ANG	LATERAL ANGLE		
	0-DEG	45-DEG	90-DEG
0	42363	42363	42363
45	129158	4463	2652
55	136894	3845	2394
65	82179	3531	2312
75	34185	3061	1531
85	14545	2576	1515



Approved By: MG

*DATA WAS ACQUIRED USING THE CALIBRATED PHOTODETECTOR METHOD OF ABSOLUTE PHOTOMETRY. A UDT MODEL #211 PHOTODETECTOR AND UDT MODEL #S370 OPTOMETER COMBINATION WERE USED AS A STANDARD. A SPECTRAL MISMATCH CORRECTION FACTOR WAS EMPLOYED BASED ON THE SPECTRAL RESPONSIVITY OF THE PHOTODETECTOR AND THE SPECTRAL POWER DISTRIBUTION OF THE TEST SUBJECT.



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5 DEGREE LUMINAIRE CANDELA DISTRIBUTION

Table with 6 columns: VER, LATERAL, ANGLE, and four numerical columns representing candela values at different angles (0.0, 22.5, 45.0, 67.5, 90.0).

5 DEG LUMEN VALUES

Table with 2 columns: ZONE and LUMENS, showing lumen values for various zones from 0-5 to 85-90.

THIS TEST WAS CONDUCTED USING PHOTOMETRY TECHNIQUES ACCORDING TO STANDARD IES PROCEDURES. THE USER MUST THEREFORE USE CAUTION IN THE FOLLOWING SITUATIONS: 1) THIS TEST WAS PERFORMED USING A SPECIFIC BALLAST/LAMP COMBINATION. EXTRAPOLATION OF THESE DATA FOR OTHER BALLAST/LAMP COMBINATIONS MAY PRODUCE ERRONEOUS RESULTS. 2) THIS TEST WAS CONDUCTED IN A CONTROLLED LABORATORY ENVIRONMENT WHERE THE AMBIENT TEMPERATURE WAS HELD AT 25°C ±1°C. FIELD PERFORMANCE MAY DIFFER PARTICULARLY IN REGARDS TO CHANGE IN LUMINOUS OUTPUT AS A RESULT OF DIFFERENCE IN AMBIENT TEMPERATURE AND METHOD OF MOUNTING THE LUMINAIRE.