

Report of Test LLI-16205-2

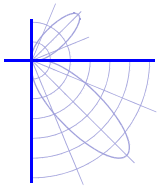
Sunlight Supply - Grow light luminaire. Product ID: 906281 Diamond LEC 630
White painted formed steel housing with specular textured reflectors and no lens.
Two Philips MH lamps, Model: CDM-TP 315W/930/U/O
Two Philips Advance electronic ballasts. Model: IZTMH-210-315-R-LF
Operating at 240 VAC and 60Hz.



Performance Summary

Total Light Output	64584 lm	Power Factor	0.99
Luminaire Power	663.1 W	THD(i)*	6.5 %
Luminous Efficacy	97.4 lm/W	SC along*, across*	1.08 , 1.52
		SC Diagonal*	1.54

PREPARED FOR : Sunlight Supply, Vancouver, WA 98655



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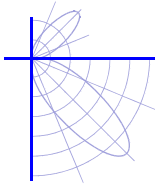
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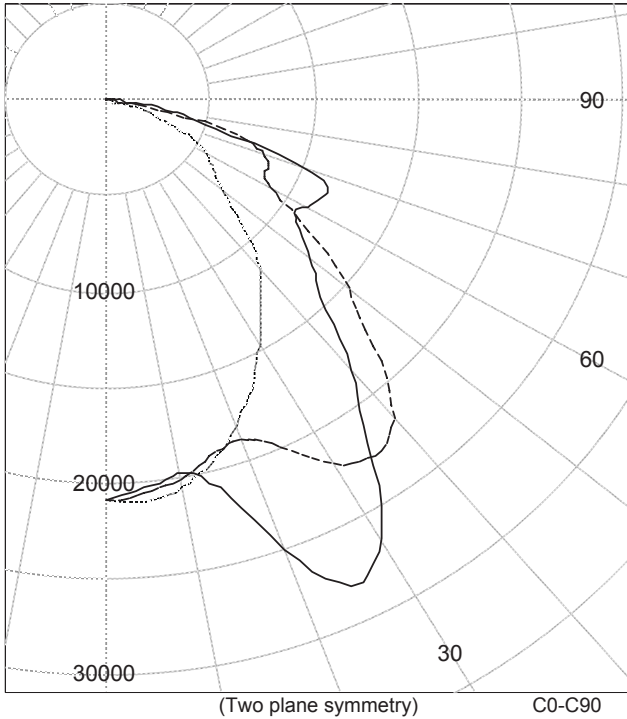




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Legend: C0-Solid, C45-Dashed, C90-Grey (cd)



INTENSITY SUMMARY (cd)

Gamma	C-Plane					Flux (lm)
	C0	C22.5	C45	C67.5	C90	
0.0	20861	20861	20861	20861	20861	
5.0	20317	20368	20609	20920	21069	1957
10.0	19809	19884	20136	20408	20552	
15.0	21019	20384	19303	19223	19522	5648
20.0	24945	22931	18903	17740	18086	
25.0	28002	26481	19991	16120	16597	9734
30.0	26423	27035	21961	14795	14705	
35.0	21929	24184	22678	13956	12910	12138
40.0	18440	19045	21551	13346	11430	
45.0	14608	15827	18125	12316	9208	11258
50.0	12800	13513	15282	10095	7241	
55.0	11176	12054	11878	8530	6227	9325
60.0	11117	11073	9054	8114	5622	
65.0	11644	11643	8529	7546	4279	8736
70.0	9806	11237	7925	6251	2747	
75.0	4839	6001	5812	3664	1163	4990
80.0	3198	3477	1967	698	198	
85.0	1351	1471	363	88	70	797
90.0	0	0	0	0	0	

ZONAL FLUX AND PERCENTAGES

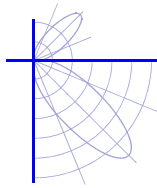
Zone	Flux (lm)	% Lamp	% Luminaire
0-30	17339	N / A	26.8
0-40	29477	N / A	45.6
0-60	50060	N / A	77.5
0-90	64584	N / A	100.0
40-90	35107	N / A	54.4
60-90	14524	N / A	22.5
90-180	0	N / A	0.0
0-180	64584	N / A	100.0

Total Light Output = 64,584 lm

Signed:

Ryder Tunney
Authorized Signatory

Date of test 10-Aug-2016
Date of report 15-Aug-2016



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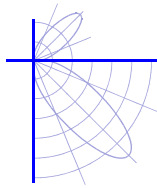
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Two Philips Advance electronic ballasts. Model: IZTMH-210-315-R-LF

Operating at 240 VAC and 60Hz.

Intensity data (cd)

Gamma	C-Plane				
	C0	C22.5	C45	C67.5	C90
0.0	20861	20861	20861	20861	20861
2.5	20615	20669	20855	21000	21045
5.0	20317	20368	20609	20920	21069
7.5	20122	20225	20422	20729	20879
10.0	19809	19884	20136	20408	20552
12.5	20038	19908	19729	19889	20070
15.0	21019	20384	19303	19223	19522
17.5	22629	21241	18952	18480	18886
20.0	24945	22931	18903	17740	18086
22.5	26805	24963	19238	16929	17338
25.0	28002	26481	19991	16120	16597
27.5	27714	27035	20934	15347	15614
30.0	26423	27035	21961	14795	14705
32.5	24521	25980	22459	14347	13768
35.0	21929	24184	22678	13956	12910
37.5	19904	21489	22301	13629	12155
40.0	18440	19045	21551	13346	11430
42.5	16440	17597	20141	12909	10487
45.0	14608	15827	18125	12316	9208
47.5	13604	14220	16339	11470	7955
50.0	12800	13513	15282	10095	7241
52.5	11916	12871	13737	8957	6675
55.0	11176	12054	11878	8530	6227
57.5	10782	11342	10227	8319	5933
60.0	11117	11073	9054	8114	5622
62.5	11363	11350	8554	7889	5012
65.0	11644	11643	8529	7546	4279
67.5	11442	11893	8436	6992	3459
70.0	9806	11237	7925	6251	2747
72.5	6856	8766	7157	5124	1977
75.0	4839	6001	5812	3664	1163
77.5	3930	4434	3342	2245	519
80.0	3198	3477	1967	698	198
82.5	2269	2487	915	168	109
85.0	1351	1471	363	88	70
87.5	449	329	118	43	38
90.0	0	0	0	0	0



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Test Distance 8.0 m
Test Temperature 25.4 °C

Notes The laboratory has not participated in the selection of samples to be tested. All testing is performed on the understanding that the significance of the report is limited to the extent that the test sample is representative of production units.

Tested in accordance with the applicable sections of publications: IES LM-79-08 (Sec. 12), IES LM-16-93, IES LM-58-13, CIE 13.3:1995, CIE 15:2004, ANSI C78.377:2011, ANSI C82.77:2002.

The luminous intensity values, and other derived quantities, contained in this report are based on the absolute data, as measured.

Prorating the performance of the sample for the use of other component combinations (such as lamp / LED / Ballast / driver), or for use in different environmental conditions than that tested, may produce erroneous results.

This report is free of erasures and corrections.

Photometric intensity values are reported using the CIE Gamma coordinate system as defined in CIE publication number 121.

This report may contain data that are not covered by the NVLAP accreditation. Quantities marked with * are not covered.

This report must not be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST, or any agency of the Federal Government.