

REPORT NUMBER: ITL87127-GONIOPHOTOMETRY

PAGE: 1 OF 4

ISSUE DATE: 04/08/16

PREPARED FOR: PARSOURCE

CATALOG NUMBER: COMMERCIALY AVAILABLE LUMINAIRE

LUMINAIRE: CAST WHITE PAINTED FINNED METAL BALLAST HOUSING, CAST WHITE PAINTED METAL SOCKET BRACKET/REFLECTOR MOUNTING BRACKETS, FORMED METAL UPPER REFLECTOR WITH PREMIUM SEMI-SPECULAR FINISH, FABRICATED PEENED METAL LOWER REFLECTOR WITH PREMIUM SPECULAR FINISH. OPEN BOTTOM.

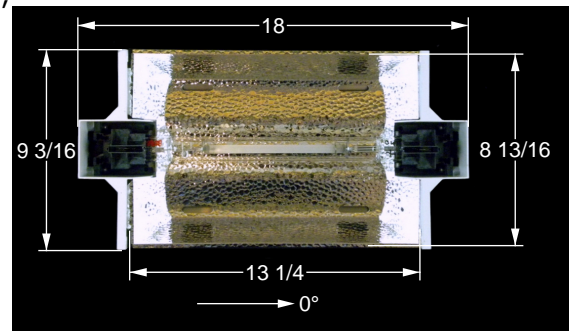
LAMP: ONE 1000-WATT CLEAR T-9 DOUBLE ENDED HIGH PRESSURE SODIUM, BLV HORTURION HPS 1000W 44V EL 2.2, HORIZONTAL POSITION.

BALLAST: AGROLUX ALF1000W 2.2

INPUT ELECTRICAL: 240.0 VOLTS, 1054.7 WATTS, 4.44 AMPS

MOUNTING: SUSPENDED

NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT VOLTAGE (240VAC, 60Hz) TO THE BALLAST. UPPER HEMISPHERE LIGHT NOT MEASURED AT CLIENT'S REQUEST.



CANDELA DISTRIBUTION

FLUX

	0.0	22.5	45.0	67.5	90.0	
0	24216	24216	24216	24216	24216	
5	24164	24277	24478	24739	24864	2375
15	23882	24881	27562	28685	28684	7608
25	22887	26075	29380	31885	32920	13432
35	21076	26002	34418	38154	38414	20097
45	17579	22889	32916	42799	47118	25506
55	12452	17811	33092	50594	56233	30269
65	6714	10067	31215	37527	34040	24920
75	2064	4948	13936	5369	3442	8164
85	74	104	177	306	289	350
90	2	56	39	10	0	

ZONAL LUMEN SUMMARY

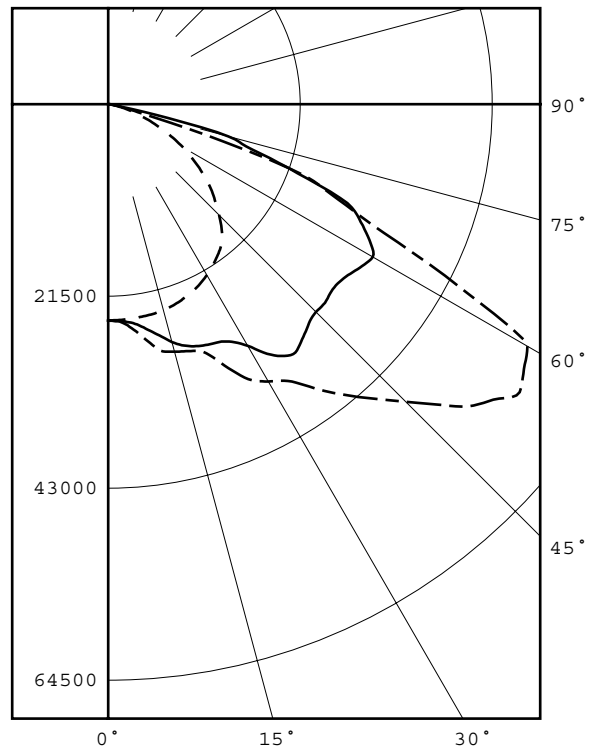
ZONE	LUMENS	%FIXT
0- 30	23415	17.6
0- 40	43512	32.8
0- 60	99287	74.8
0- 90	132721	100.0
90-180	0	0.0
0-180	132721	100.0

EFFICACY = 125.8 lm/W

CIE TYPE - DIRECT

PLANE : 0-DEG 90-DEG

SPACING CRITERIA : 1.35 2.63

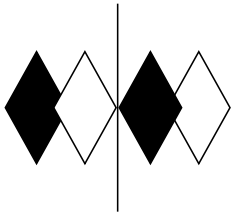


LEGEND:

0-deg -----  
45-deg =====  
90-deg -----

Checked       M KLOPF      

Approved       N WHITE        
Lighting Engineer



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THE LIGHT CENTER OF THE INDUSTRY SINCE 1955

INDEPENDENT TESTING LABORATORIES, INC.  
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CANDELA DISTRIBUTION  
 LATERAL ANGLE

	0.0	22.5	45.0	67.5	90.0
0.0	24216	24216	24216	24216	24216
2.5	24206	24236	24264	24315	24340
5.0	24164	24277	24478	24739	24864
7.5	24124	24355	24891	25577	25882
10.0	24071	24470	25649	26777	27174
12.5	23996	24623	26532	27996	28342
15.0	23882	24881	27562	28685	28684
17.5	23706	25181	28345	29010	29007
20.0	23471	25500	28829	29281	29398
22.5	23188	25779	29158	29925	30673
25.0	22887	26075	29380	31885	32920
27.5	22517	26332	30011	34226	34851
30.0	22090	26503	31243	36090	35846
32.5	21614	26349	33130	37093	36708
35.0	21076	26002	34418	38154	38414
37.5	20551	25424	34731	39627	40609
40.0	19818	24597	33999	40921	42682
42.5	18798	23675	33267	41599	44795
45.0	17579	22889	32916	42799	47118
47.5	16331	22219	32912	44564	49762
50.0	15151	21377	32613	46729	52629
52.5	13828	19979	32661	49121	54363
55.0	12452	17811	33092	50594	56233
57.5	11047	15644	33723	52737	55204
60.0	9644	13524	34197	51730	54204
62.5	8178	11715	32980	49576	44403
65.0	6714	10067	31215	37527	34040
67.5	5371	8647	28979	29647	27862
70.0	4073	7416	22571	24421	23408
72.5	2914	6266	16978	17897	11264
75.0	2064	4948	13936	5369	3442
77.5	1311	3491	5365	2284	1938
80.0	661	1768	879	1216	1106
82.5	200	188	387	635	595
85.0	74	104	177	306	289
87.5	55	88	78	112	96
90.0	2	56	39	10	0



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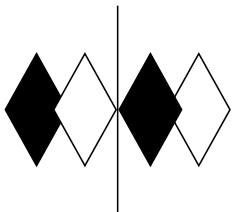
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5-DEGREE  
ZONAL LUMEN SUMMARY

0- 5	582
5- 10	1793
10- 15	3122
15- 20	4486
20- 25	5888
25- 30	7544
30- 35	9255
35- 40	10842
40- 45	12091
45- 50	13415
50- 55	14736
55- 60	15533
60- 65	14322
65- 70	10598
70- 75	6251
75- 80	1912
80- 85	296
85- 90	54

10-DEGREE  
ZONAL LUMEN SUMMARY

0- 10	2375
0- 20	9983
0- 30	23415
0- 40	43512
0- 50	69017
0- 60	99287
0- 70	124207
0- 80	132371
0- 90	132721



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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
0	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	102	102	102	100
1	108	103	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83	83
2	97	89	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67	67
3	88	76	67	60	85	75	66	60	72	64	59	69	63	58	66	61	57	54	54
4	79	66	57	49	77	65	56	49	62	54	48	60	53	47	57	52	47	44	44
5	72	58	48	41	70	57	48	41	55	46	40	53	45	40	51	44	39	37	37
6	66	51	42	35	64	50	41	34	48	40	34	47	39	34	45	39	33	31	31
7	60	46	36	30	59	45	36	30	43	35	29	42	35	29	40	34	29	27	27
8	56	41	32	26	54	41	32	26	39	31	26	38	31	25	37	30	25	23	23
9	52	37	29	23	50	37	28	23	36	28	22	34	27	22	33	27	22	20	20
10	48	34	26	20	47	34	26	20	33	25	20	32	25	20	31	24	20	18	18

ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS TEST SAMPLE.