



IES ROAD REPORT
PHOTOMETRIC FILENAME : ENM4-SAX-5W-LED-05L-30.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-11784
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 06/10/2020
[TEST DATE] 04/30/20
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] ENM4-SAX-5W-LED-05L-30
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Outdoor

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5159
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	131
Total Luminaire Watts	39.3
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2716
Maximum Candela Angle	45H 72.5V
Maximum Candela (<90 Degrees Vertical)	2716
Maximum Candela Angle (<90 Degrees Vertical)	45H 72.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	360 (7.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	229.7	N.A.	4.5
FM - Front-Medium (30-60)	1057.9	N.A.	20.5
FH - Front-High (60-80)	1268.9	N.A.	24.6
FVH - Front-Very High (80-90)	23.1	N.A.	0.4
BL - Back-Low (0-30)	229.7	N.A.	4.5
BM - Back-Medium (30-60)	1057.9	N.A.	20.5
BH - Back-High (60-80)	1268.9	N.A.	24.6
BVH - Back-Very High (80-90)	23.1	N.A.	0.4
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	5159.2	N.A.	100.0
BUG Rating	B3-U0-G1		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>5</u>	<u>15</u>	<u>25</u>	<u>35</u>	<u>45</u>	<u>55</u>	<u>65</u>	<u>75</u>	<u>85</u>
0.0	451	451	451	451	451	451	451	451	451	451
2.5	453	453	452	452	453	453	453	453	452	452
5.0	454	454	454	454	455	455	455	455	454	454
7.5	459	459	459	461	461	461	462	461	460	461
10.0	466	466	467	468	469	469	470	469	469	469
12.5	477	477	478	481	481	482	482	480	480	479
15.0	492	493	494	496	498	498	497	495	494	494
17.5	508	508	512	516	519	519	517	513	511	509
20.0	527	527	532	538	544	545	542	534	529	526
22.5	548	548	554	564	572	574	570	560	549	545
25.0	569	570	578	591	604	607	602	587	572	564
27.5	590	591	602	622	638	645	636	617	597	586
30.0	613	614	629	654	677	685	674	648	623	609
32.5	636	638	657	686	715	726	713	682	653	635
35.0	662	665	687	721	755	768	753	719	685	665
37.5	690	693	719	758	796	812	795	757	719	697
40.0	721	724	751	797	839	858	840	800	757	734
42.5	755	759	789	838	886	906	886	843	798	773
45.0	794	798	831	880	932	956	935	887	842	813
47.5	840	843	875	924	977	1007	986	935	887	856
50.0	890	891	924	975	1028	1059	1036	986	935	904
52.5	942	944	976	1030	1085	1117	1092	1043	987	953
55.0	1003	1007	1036	1090	1146	1181	1153	1103	1048	1007
57.5	1072	1078	1110	1163	1223	1263	1224	1171	1114	1071
60.0	1167	1173	1205	1253	1327	1369	1317	1259	1205	1155
62.5	1287	1295	1337	1401	1474	1521	1452	1380	1317	1265
65.0	1398	1408	1473	1572	1694	1761	1648	1543	1476	1419
67.5	1438	1455	1570	1752	1982	2133	1956	1777	1680	1593
70.0	1218	1240	1417	1761	2287	2633	2325	1958	1627	1414
72.5	695	731	954	1354	2041	2716	2162	1515	1119	924
75.0	221	228	344	672	1366	2009	1480	819	494	389
77.5	111	112	142	238	517	978	657	346	205	170
80.0	44	43	55	100	208	360	270	147	86	72
82.5	25	24	26	38	73	133	91	59	44	45
85.0	15	14	14	19	31	47	38	30	24	27
87.5	5	5	5	7	11	15	12	10	8	8
90.0	0	0	0	0	0	0	0	0	0	0

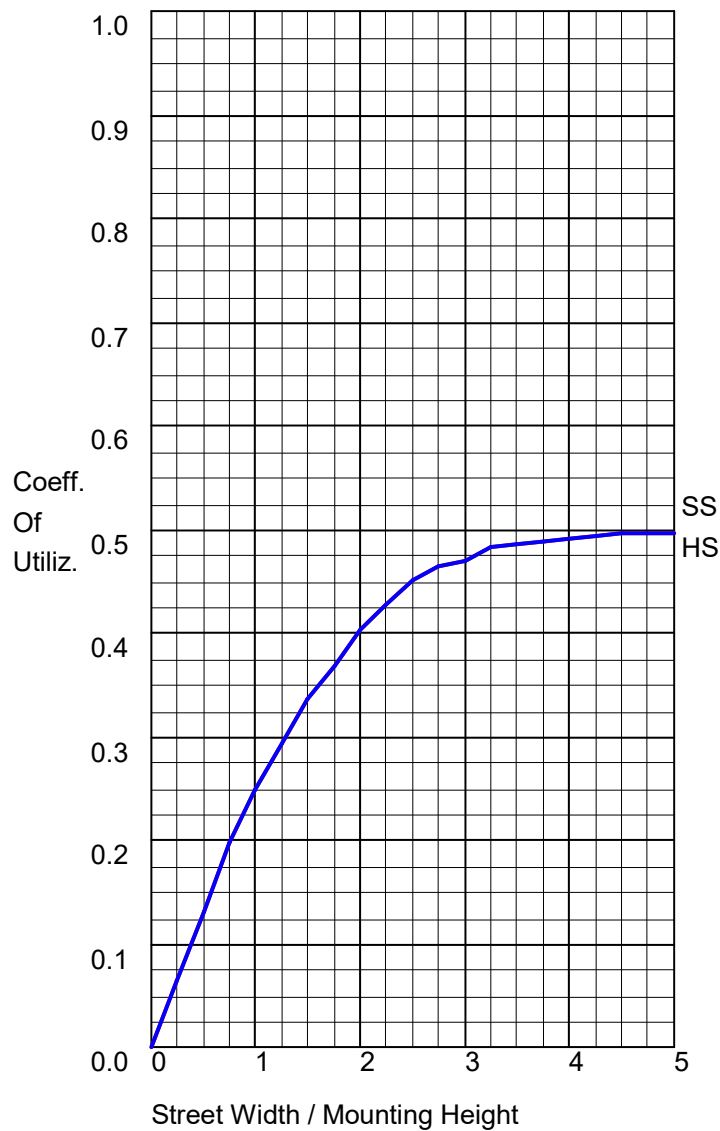
Vert. Angles	Horizontal Angles									
	<u>90</u>									
0.0	451									
2.5	452									
5.0	454									
7.5	460									
10.0	468									
12.5	480									
15.0	493									
17.5	508									
20.0	526									
22.5	544									
25.0	564									
27.5	584									

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CANDELA TABULATION - (Cont.)

30.0	607
32.5	633
35.0	663
37.5	696
40.0	730
42.5	772
45.0	811
47.5	854
50.0	902
52.5	951
55.0	1007
57.5	1070
60.0	1152
62.5	1268
65.0	1420
67.5	1593
70.0	1403
72.5	911
75.0	387
77.5	162
80.0	73
82.5	46
85.0	25
87.5	7
90.0	0

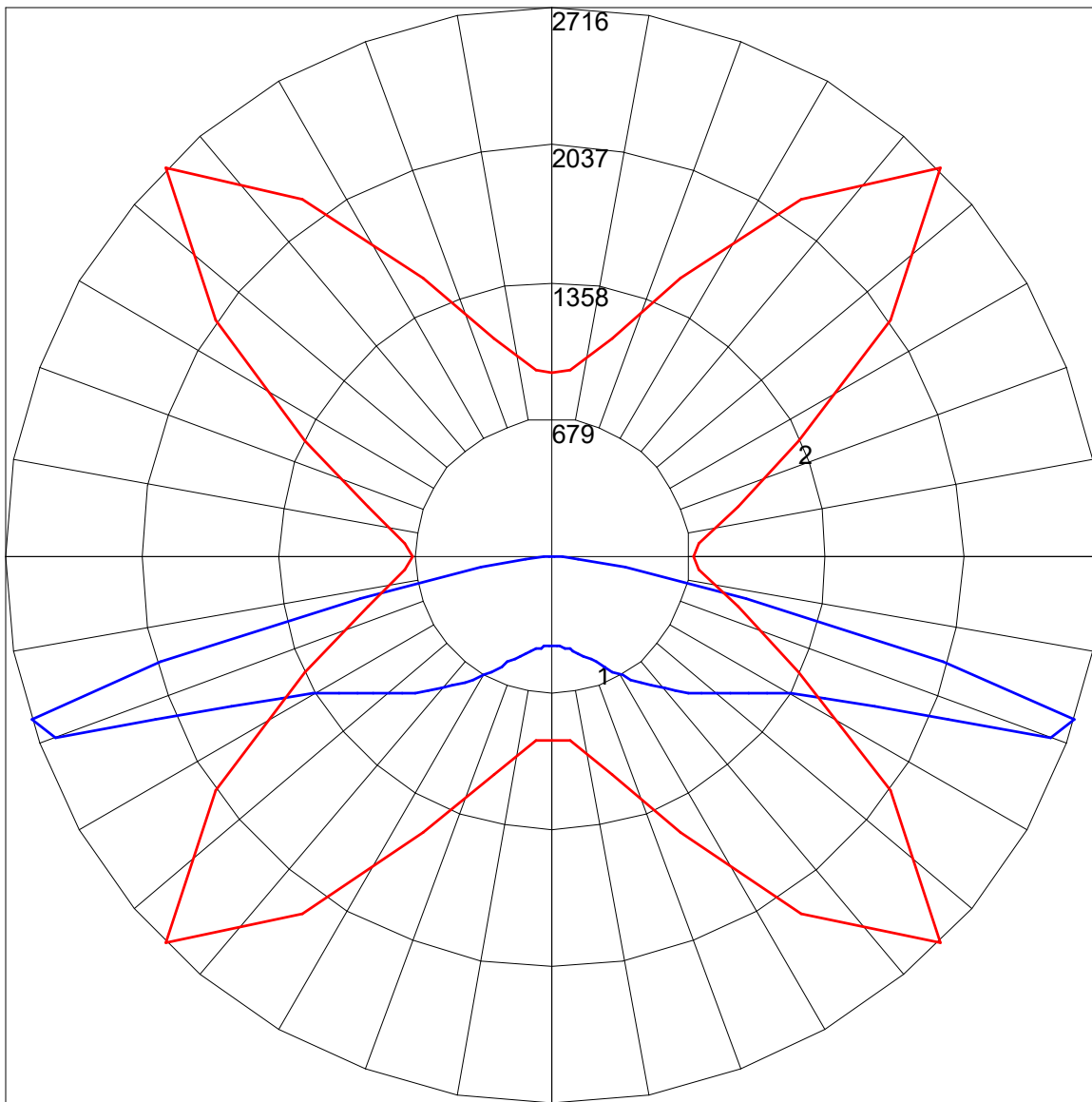
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

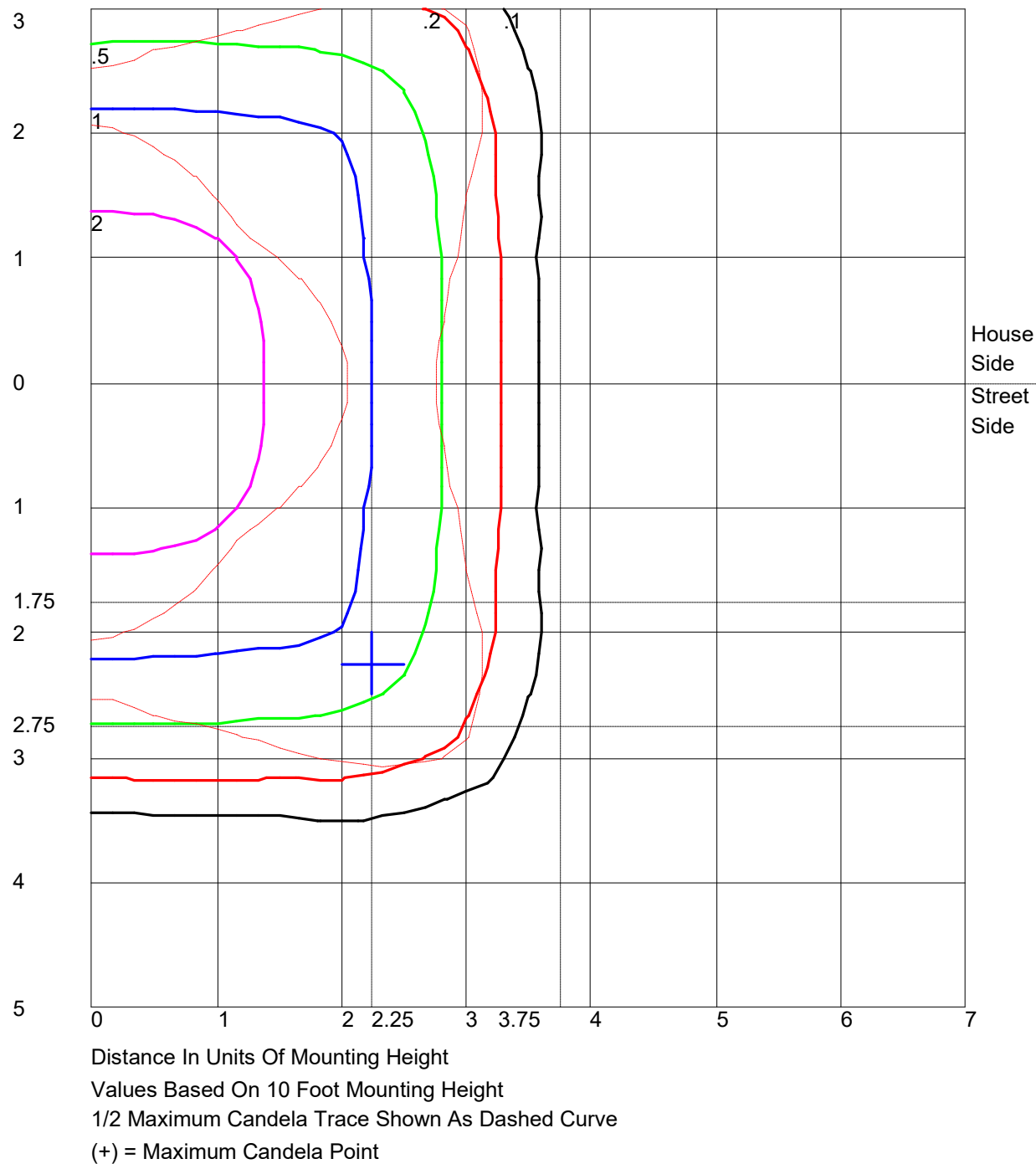
	Lumens	Percent Of Luminaire
Downward Street Side	2579.6	50.0
Downward House Side	2579.6	50.0
Downward Total	5159.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	5159.2	100.0

POLAR GRAPH

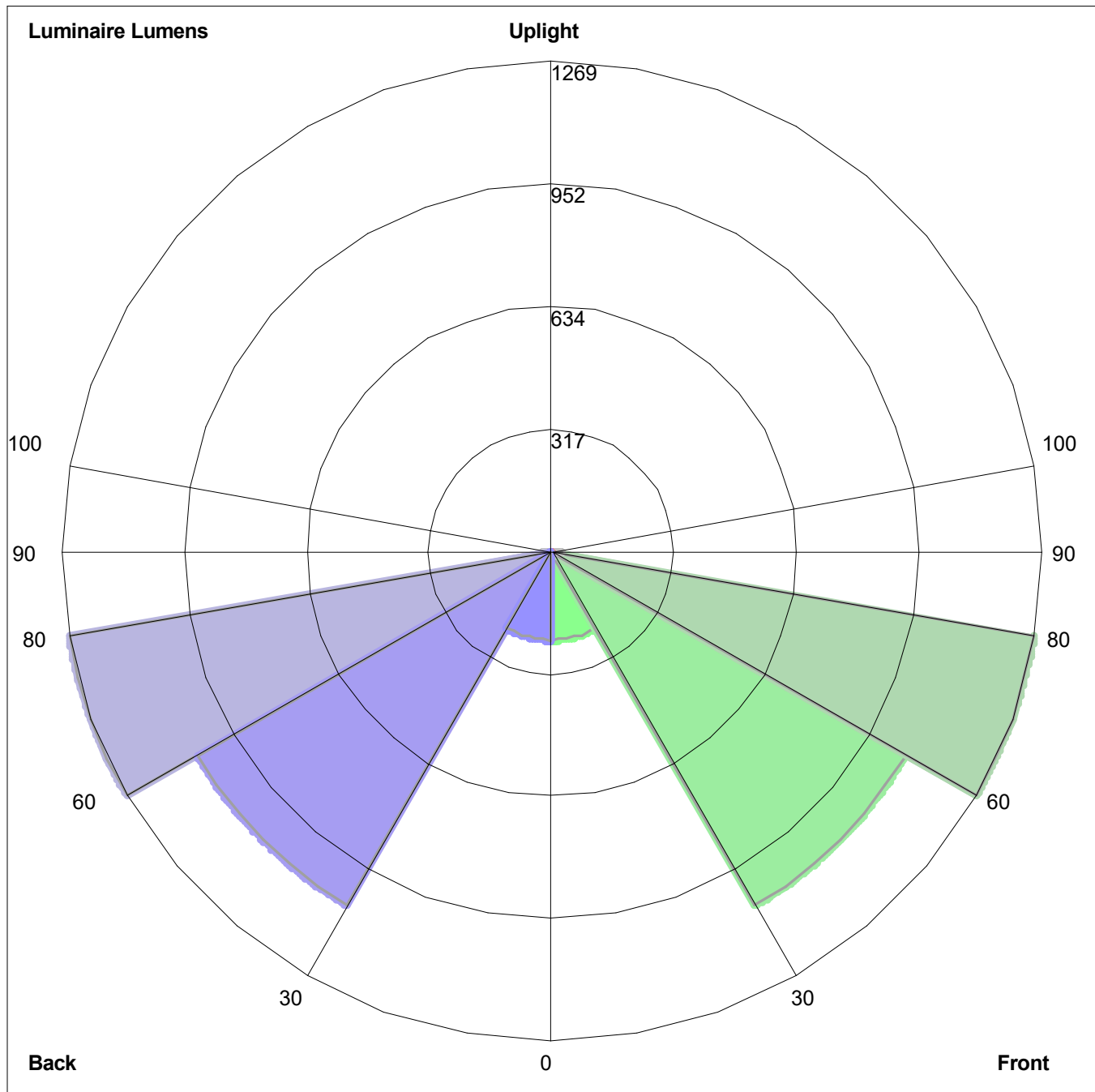


Maximum Candela = 2716 Located At Horizontal Angle = 45, Vertical Angle = 72.5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (72.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=229.7, Medium=1057.9, High=1268.9, Very High=23.1
Back: Low=229.7, Medium=1057.9, High=1268.9, Very High=23.1
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G1