



IES ROAD REPORT

PHOTOMETRIC FILENAME : HPG-10L-5R-50K8.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12912
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 10/22/2021
[TEST DATE] 08/25/21
[MANUFACTURER] LSI INDUSTRIES, INC.
[LUMCAT] HPG-10L-5R-50K8
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER] SCALED FROM ORIGINAL TEST DATA
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Outdoor
[SEARCH_COLORTEMP] 5000

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	11144
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	141
Total Luminaire Watts	79
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3197
Maximum Candela Angle	45H 62.5V
Maximum Candela (<90 Degrees Vertical)	3197
Maximum Candela Angle (<90 Degrees Vertical)	45H 62.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	558 (5.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1047.9	N.A.	9.4
FM - Front-Medium (30-60)	2966.1	N.A.	26.6
FH - Front-High (60-80)	1497.8	N.A.	13.4
FVH - Front-Very High (80-90)	60.2	N.A.	0.5
BL - Back-Low (0-30)	1047.9	N.A.	9.4
BM - Back-Medium (30-60)	2966.1	N.A.	26.6
BH - Back-High (60-80)	1497.8	N.A.	13.4
BVH - Back-Very High (80-90)	60.2	N.A.	0.5
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	11144.0	N.A.	100.0
BUG Rating	B3-U0-G1		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0	5	15	25	35	45	55	65	75	85
0.0	2514	2514	2514	2514	2514	2514	2514	2514	2514	2514
2.5	2503	2503	2505	2501	2514	2520	2523	2529	2539	2540
5.0	2495	2498	2498	2495	2509	2517	2525	2532	2542	2541
7.5	2482	2484	2487	2487	2506	2513	2519	2528	2544	2543
10.0	2463	2466	2468	2467	2485	2498	2512	2520	2541	2540
12.5	2454	2457	2458	2459	2476	2485	2497	2515	2536	2536
15.0	2449	2449	2449	2450	2467	2480	2484	2506	2530	2535
17.5	2450	2448	2447	2445	2461	2471	2477	2488	2525	2536
20.0	2450	2452	2451	2449	2459	2466	2471	2476	2519	2540
22.5	2460	2462	2461	2456	2468	2468	2467	2473	2513	2545
25.0	2472	2477	2477	2470	2482	2477	2470	2474	2508	2545
27.5	2486	2490	2495	2491	2498	2491	2478	2474	2501	2545
30.0	2500	2501	2510	2508	2514	2501	2483	2475	2499	2553
32.5	2498	2504	2522	2524	2527	2510	2493	2483	2502	2561
35.0	2496	2501	2523	2535	2540	2524	2505	2489	2500	2564
37.5	2495	2501	2522	2537	2549	2535	2512	2483	2487	2560
40.0	2488	2495	2510	2534	2551	2539	2514	2467	2469	2551
42.5	2525	2519	2513	2534	2550	2540	2514	2458	2448	2535
45.0	2667	2652	2560	2545	2555	2539	2522	2448	2431	2525
47.5	2687	2690	2700	2581	2574	2550	2528	2431	2424	2536
50.0	2701	2697	2704	2678	2617	2575	2542	2425	2437	2566
52.5	2731	2734	2746	2787	2687	2642	2573	2427	2434	2569
55.0	2758	2766	2805	2828	2733	2727	2640	2407	2419	2579
57.5	2731	2751	2848	2889	2864	2850	2691	2384	2438	2641
60.0	2597	2617	2772	2858	2999	3037	2713	2352	2390	2591
62.5	2332	2357	2486	2647	3010	3197	2720	2247	2178	2317
65.0	1955	1984	2086	2310	2774	3098	2662	2048	1887	1937
67.5	1494	1508	1612	1851	2280	2697	2451	1714	1526	1465
70.0	1083	1094	1158	1370	1714	2150	2034	1283	1135	958
72.5	742	754	796	961	1283	1633	1466	859	684	512
75.0	533	545	561	666	937	1286	992	621	460	327
77.5	381	392	391	450	702	970	734	400	238	176
80.0	265	260	253	294	522	558	420	200	158	131
82.5	145	146	142	210	288	254	155	111	108	91
85.0	70	70	76	122	186	91	56	62	70	59
87.5	35	35	44	42	59	23	19	21	24	27
90.0	0	0	0	0	0	0	0	0	0	0

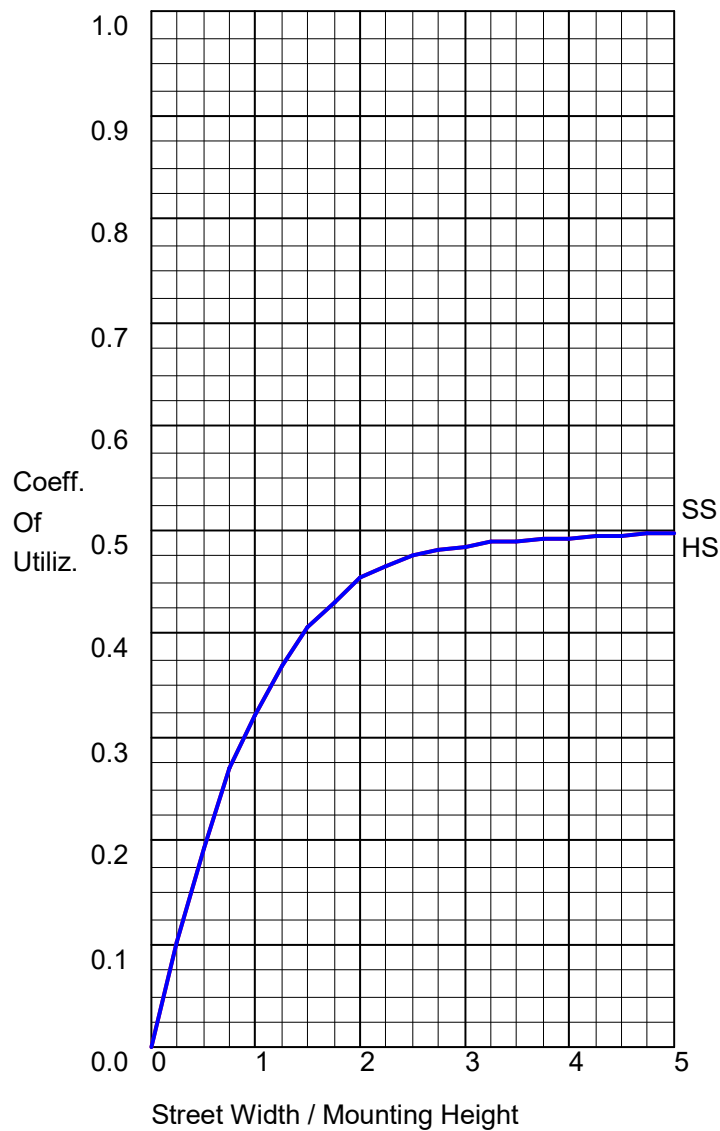
Vert. Angles	Horizontal Angles
	90
0.0	2514
2.5	2538
5.0	2541
7.5	2542
10.0	2537
12.5	2536
15.0	2534
17.5	2534
20.0	2540
22.5	2542
25.0	2547
27.5	2552

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CANDELA TABULATION - (Cont.)

30.0	2559
32.5	2570
35.0	2572
37.5	2571
40.0	2564
42.5	2551
45.0	2540
47.5	2557
50.0	2590
52.5	2589
55.0	2599
57.5	2666
60.0	2646
62.5	2397
65.0	1991
67.5	1476
70.0	931
72.5	442
75.0	283
77.5	162
80.0	123
82.5	83
85.0	54
87.5	24
90.0	0

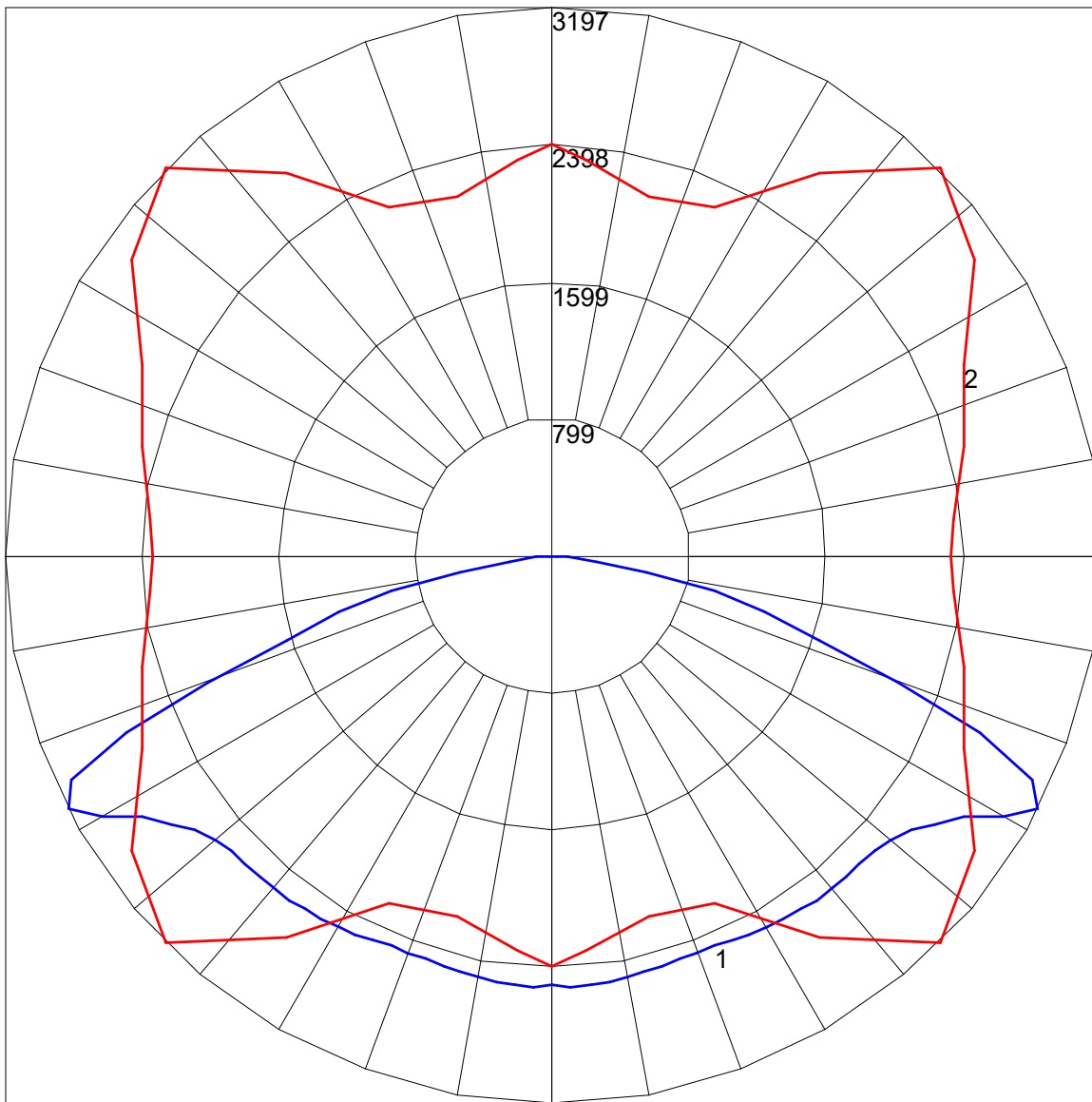
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

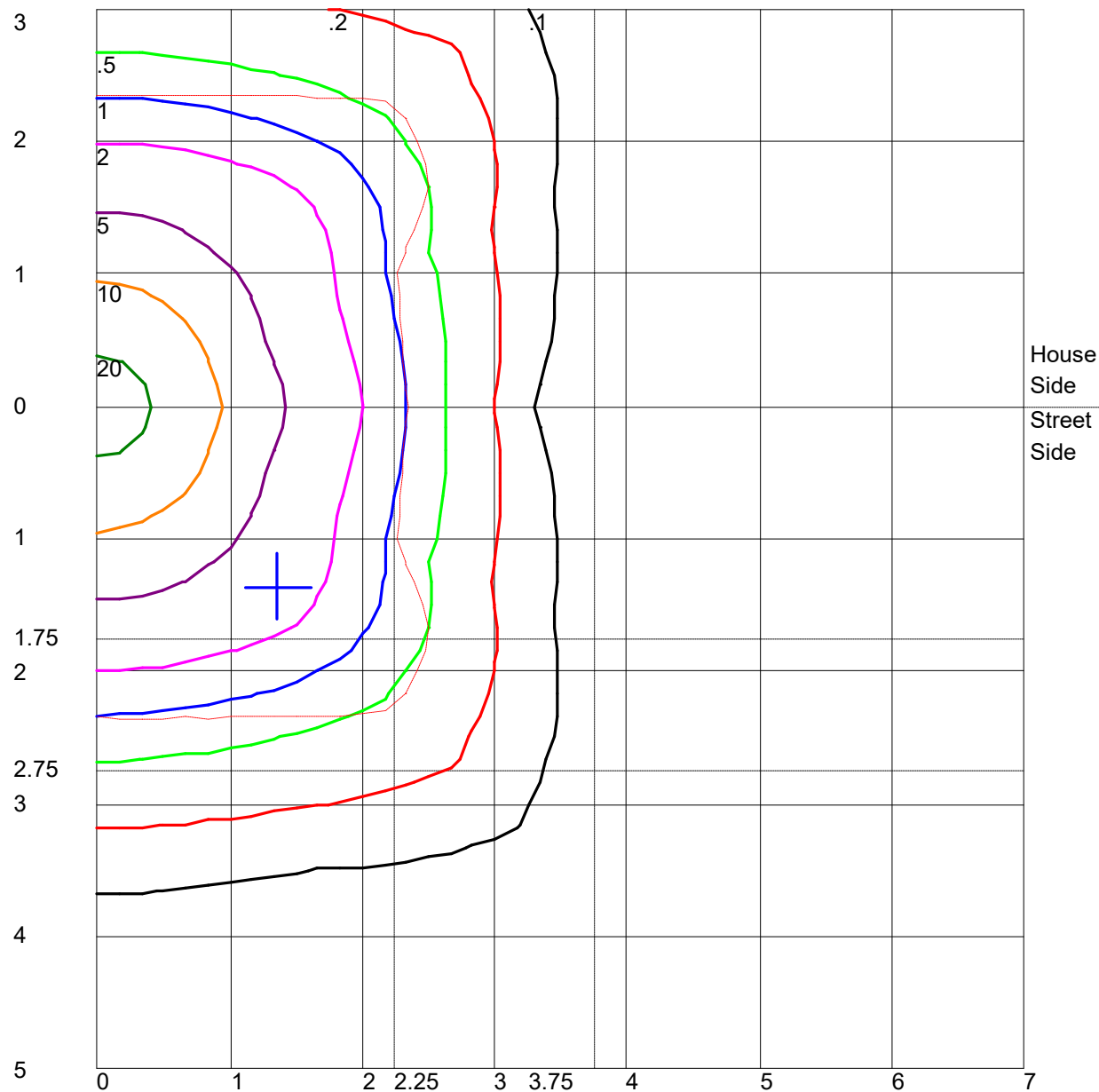
	Lumens	Percent Of Luminaire
Downward Street Side	5572.0	50.0
Downward House Side	5572.0	50.0
Downward Total	11144.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	11144.0	100.0

POLAR GRAPH

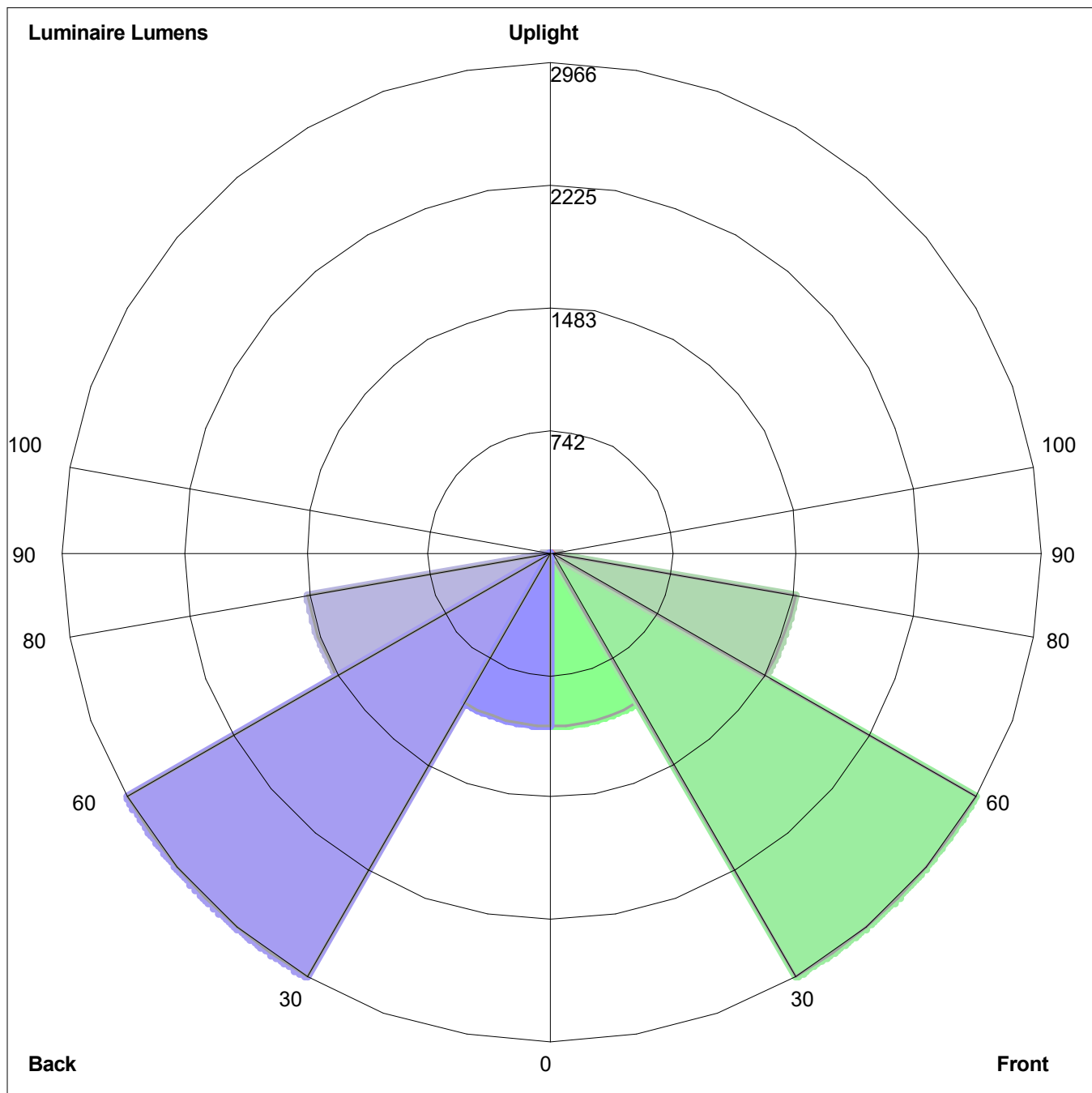


Maximum Candela = 3197 Located At Horizontal Angle = 45, Vertical Angle = 62.5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (62.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1047.9, Medium=2966.1, High=1497.8, Very High=60.2
Back: Low=1047.9, Medium=2966.1, High=1497.8, Very High=60.2
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G1