IES INDOOR REPORT
PHOTOMETRIC FILENAME : 6DS-L60-950-(L53)-EM7W-DIM1-OW-OF-CS_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]GEN from BALLABS TEST NO. 20343.0
[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC
[ISSUEDATE] 01-10-2023
[MANUFAC] WILLIAMS INDOOR
[OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO
[LUMINAIRE] GEN7 V13 LED 6"SHORT HEATSINK 6"SQ CAST HOUSING DOWNLIGHT
[MORE] WHITE MIXING CHAMBER & 6"ALUM SEMI-SPEC TRIM w/FROST FILM
[LUMCAT] 6DS-L60-950-(L53)-EM7W-DIM1-OW-OF-CS
[_SEARCH_SOURCETYPE] LED
[_SEARCH_APPLICATION] Indoor, Classroom, Commercial, Industrial, Office, Direct, Downlight
[_SEARCH_MOUNTING] Recessed

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	564
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	81
Total Luminaire Watts	7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.88
Spacing Criterion (90-270)	0.86
Spacing Criterion (Diagonal)	0.90
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.50 ft
Luminous Width (90-270)	0.50 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2762	4285	2691
55	393	699	393
65	0	0	0
75	0	0	0
85	0	0	0

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0
0	649.073	649.073	649.073	649.073	649.073
5	644.416	643.543	640.341	638.304	637.721
10	610.070	612.399	610.944	606.578	605.704
15	553.313	555.350	554.477	551.275	549.238
20	482.002	481.420	484.040	480.838	479.092
25	386.242	397.303	400.795	392.063	380.421
30	267.488	278.839	303.289	280.295	269.816
35	158.921	183.953	218.007	176.676	155.137
40	91.394	100.417	136.218	96.342	89.939
45	45.406	53.847	70.438	54.720	44.242
50	18.337	22.412	29.106	21.830	18.046
55	5.239	7.277	9.314	7.568	5.239
60	0.582	0.873	2.037	0.873	0.291
65	0.000	0.000	0.000	0.000	0.000
70	0.000	0.291	0.000	0.000	0.000
75	0.000	0.000	0.000	0.000	0.000
80	0.000	0.000	0.000	0.000	0.000
85	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	214.39	N.A.	38.00
0-30	391.74	N.A.	69.50
0-40	508.81	N.A.	90.30
0-60	563.23	N.A.	99.90
0-80	563.53	N.A.	100.00
0-90	563.53	N.A.	100.00
10-90	503.38	N.A.	89.30
20-40	294.42	N.A.	52.20
20-50	340.33	N.A.	60.40
40-70	54.69	N.A.	9.70
60-80	0.29	N.A.	0.10
70-80	0.02	N.A.	0.00
80-90	0.00	N.A.	0.00
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	563.53	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	60.15
10-20	154.24
20-30	177.35
30-40	117.08
40-50	45.90
50-60	8.52
60-70	0.27
70-80	0.02
80-90	0.00
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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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	106	106	106	102	102	102	100
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	81
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75
5	92	84	78	73	90	83	77	73	81	76	72	79	75	72	78	74	71	70
6	87	78	72	68	86	78	72	68	76	71	67	75	70	67	73	69	66	65
7	83	74	68	63	82	73	67	63	72	67	63	70	66	62	69	65	62	61
8	79	69	63	59	78	69	63	59	68	62	59	67	62	58	66	61	58	57
9	75	65	59	55	74	65	59	55	64	59	55	63	58	55	62	58	55	53
10	72	62	56	52	71	61	56	52	61	55	52	60	55	52	59	55	52	50

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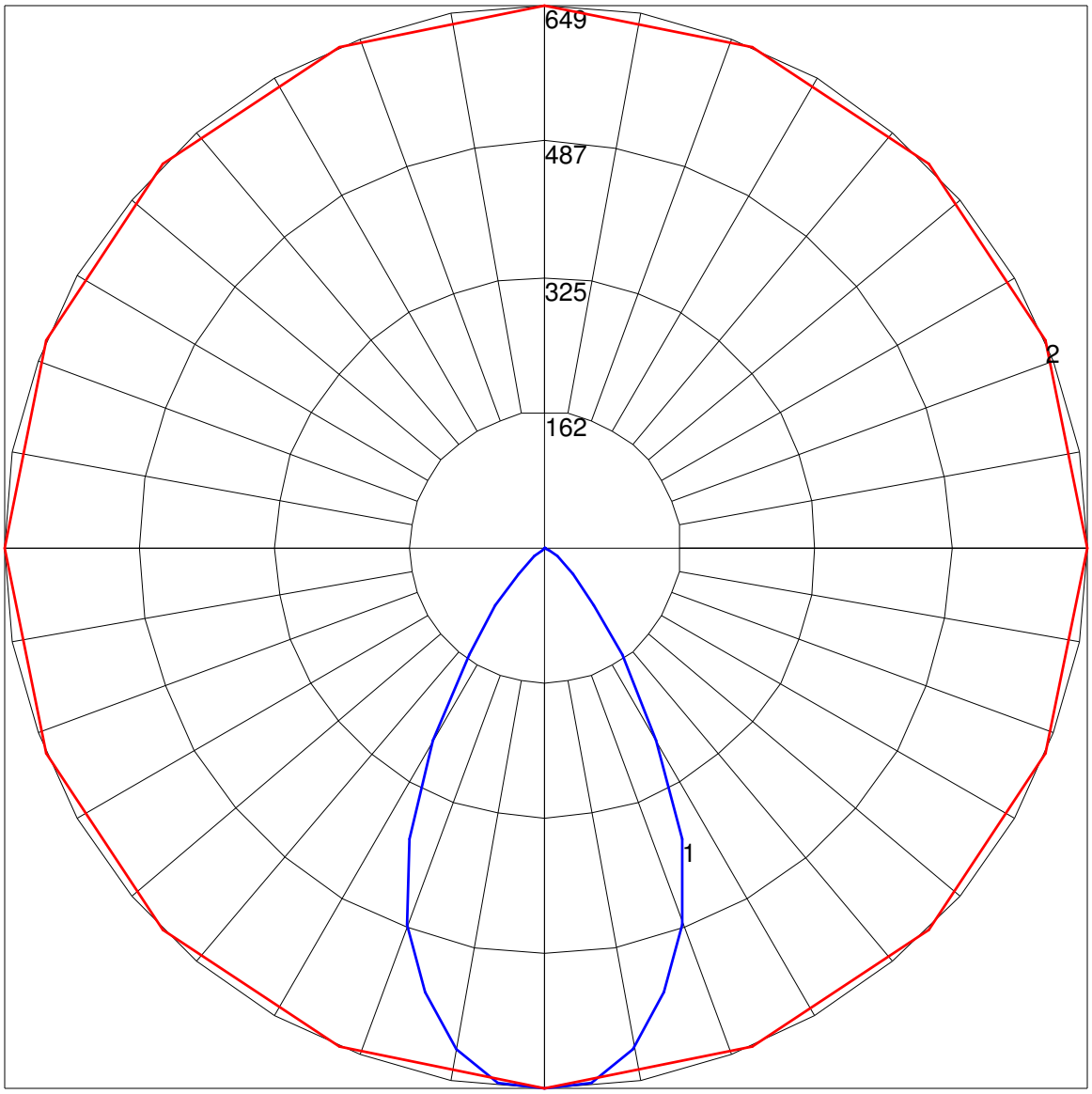
POLAR GRAPH



Maximum Candela = 649.073 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)