



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6DS-L20-8TW-DIM-UNV-OM-OF-CS.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]GEN from BALLABS TEST NO. 20345.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUEDATE] 26-APR-2018

[MANUFAC] WILLIAMS INDOOR

[OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO

[LUMINAIRE] GEN7 V13 LED 6"SHORT HEATSINK 6"SQ CAST HOUSING DOWNLIGHT

[MORE] ACRYLIC MED TIR OPTIC & 6"ALUM SEMI-SPEC TRIM w/FROST FILM

[MORE] ADVANCE #XI025C070V054DSM1 @ 560mA

[LUMCAT] 6DS-L20-8TW-DIM-UNV-OM-OF-CS

[LAMPCAT] BXRE-35E2000

[_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	1513
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	63
Total Luminaire Watts	24
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.70
Spacing Criterion (90-270)	0.70
Spacing Criterion (Diagonal)	0.74
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	5362	12355	5362
55	431	1365	431
65	0	0	0
75	0	0	0
85	0	0	0

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2325.066	2325.066	2325.066	2325.066	2325.066
5	2221.602	2225.434	2219.686	2229.266	2229.266
10	1970.606	1969.648	1970.606	1969.648	1971.564
15	1632.432	1627.642	1620.936	1626.684	1635.306
20	1297.132	1290.426	1277.972	1283.720	1291.384
25	970.454	970.454	956.084	965.664	965.664
30	661.020	663.894	684.012	664.852	666.768
35	418.646	424.394	492.412	440.680	410.024
40	218.424	262.492	342.006	269.198	214.592
45	88.136	121.666	203.096	134.120	88.136
50	24.908	38.320	83.346	43.110	24.908
55	5.748	8.622	18.202	8.622	5.748
60	1.916	2.874	2.874	2.874	1.916
65	0.000	0.000	0.000	0.000	0.000
70	0.000	0.000	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	658.02	N.A.	43.50
0-30	1100.99	N.A.	72.80
0-40	1384.13	N.A.	91.50
0-60	1512.67	N.A.	100.00
0-80	1513.31	N.A.	100.00
0-90	1513.31	N.A.	100.00
10-90	1308.84	N.A.	86.50
20-40	726.11	N.A.	48.00
20-50	839.12	N.A.	55.40
40-70	129.18	N.A.	8.50
60-80	0.64	N.A.	0.00
70-80	0.00	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	1513.31	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	204.47
10-20	453.55
20-30	442.97
30-40	283.14
40-50	113.00
50-60	15.54
60-70	0.64
70-80	0.00
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

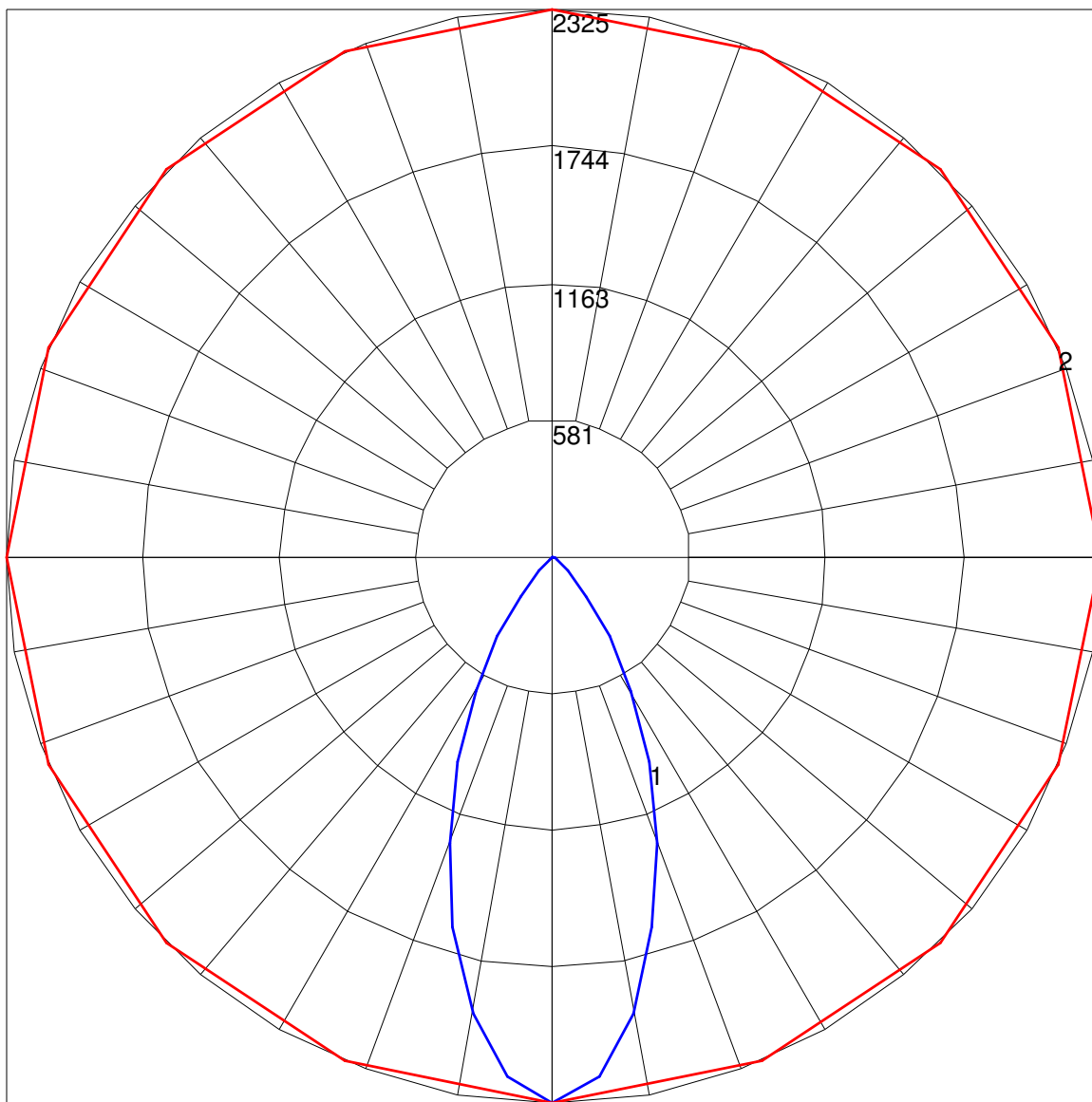
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	114	114	114	114	111	111	111	111	106	106	106	102	102	102	98	98	98	96
1	109	106	104	102	107	104	102	100	100	99	97	97	96	94	94	93	92	90
2	104	99	95	92	102	98	94	91	94	92	89	92	89	87	89	87	86	84
3	99	93	88	84	97	91	87	84	89	85	82	87	84	81	84	82	80	78
4	94	87	82	78	92	86	81	77	84	80	76	82	78	76	80	77	75	73
5	89	82	76	72	88	81	76	72	79	75	71	77	74	71	76	73	70	69
6	85	77	71	67	84	76	71	67	75	70	67	73	69	66	72	69	66	64
7	81	72	67	63	80	72	67	63	71	66	62	69	65	62	68	65	62	61
8	77	69	63	59	76	68	63	59	67	62	59	66	62	59	65	61	58	57
9	74	65	59	56	73	64	59	56	64	59	55	63	58	55	62	58	55	54
10	71	62	56	53	70	61	56	53	60	56	52	60	55	52	59	55	52	51

POLAR GRAPH



Maximum Candela = 2325.066 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.)