



IES ROAD REPORT

PHOTOMETRIC FILENAME : 4PS-L40-835-DIM-UNV-LM-OF-WH.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]BALLABS TEST NO. 20341.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUE DATE] 24-APR-2018

[MANUFAC] WILLIAMS INDOOR

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

[LUMINAIRE] GEN7 V18 LED 4" TALL HEATSINK 4" SQ FORMED HOUSING DOWNLIGHT

[MORE] ACRYLIC MED TIR OPTIC & 4" CAST SHALLOW WHITE FLUSH TRIM

[MORE] w/SOLITE LENS

[LUMCAT] 4PS-L40-835-DIM-UNV-LM-OF-WH

[LAMPCAT] BXRE-35E4000

[_SEARCH_SOURCETYPE] LED

[_SEARCH_APPLICATION] Indoor, Classroom, Commercial, Office, Direct, Downlight

[_SEARCH_MOUNTING] Recessed

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4254
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	95
Total Luminaire Watts	45
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	9143
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	9143
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	13 (0.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

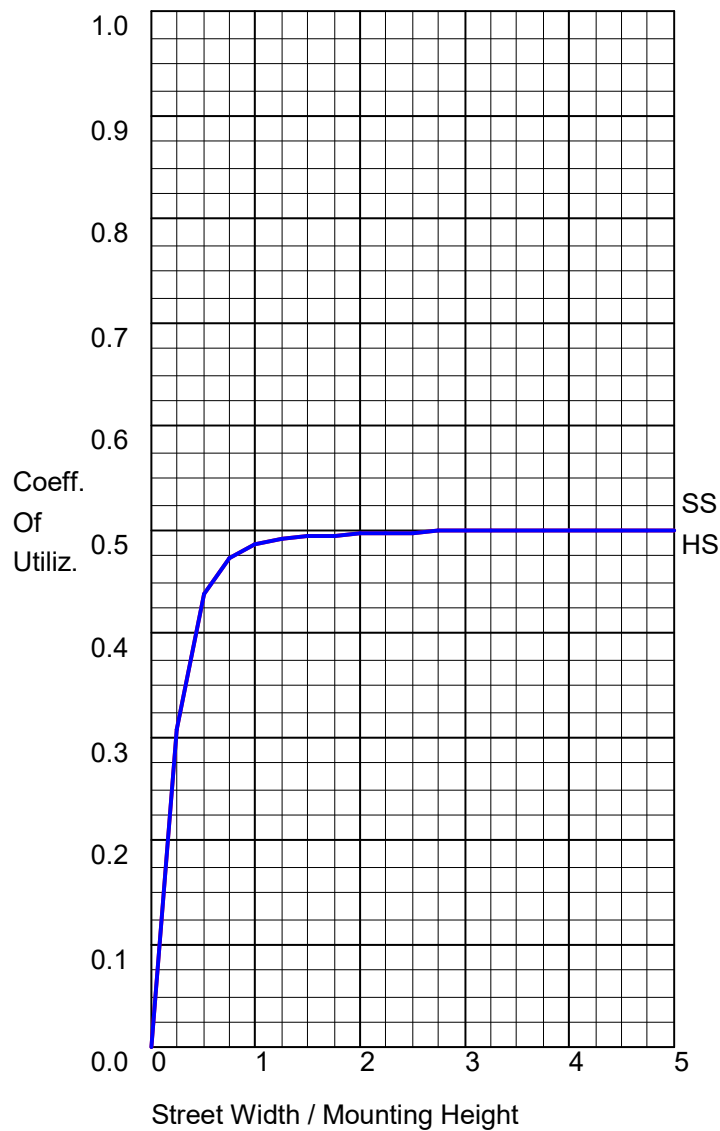
	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1735.1	N.A.	40.8
FM - Front-Medium (30-60)	352.8	N.A.	8.3
FH - Front-High (60-80)	37.3	N.A.	0.9
FVH - Front-Very High (80-90)	2.0	N.A.	0.0
BL - Back-Low (0-30)	1735.1	N.A.	40.8
BM - Back-Medium (30-60)	352.8	N.A.	8.3
BH - Back-High (60-80)	37.3	N.A.	0.9
BVH - Back-Very High (80-90)	2.0	N.A.	0.0
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	4254.4	N.A.	100.0
BUG Rating	B3-U0-G0		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles				
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	9143	9143	9143	9143	9143
5	8842	8815	8817	8822	8847
10	7837	7810	7789	7805	7827
15	6053	5974	6054	6121	6011
20	3843	3812	3894	3773	3816
25	2094	2052	2085	2128	2088
30	1133	1074	1093	1125	1131
35	611	591	616	632	649
40	358	359	369	365	373
45	226	227	244	238	238
50	148	152	165	159	155
55	100	101	111	103	103
60	71	72	75	74	73
65	48	48	52	50	52
70	34	34	35	35	38
75	21	19	21	21	24
80	11	10	11	11	13
85	1	1	3	2	2
90	0	0	0	0	0

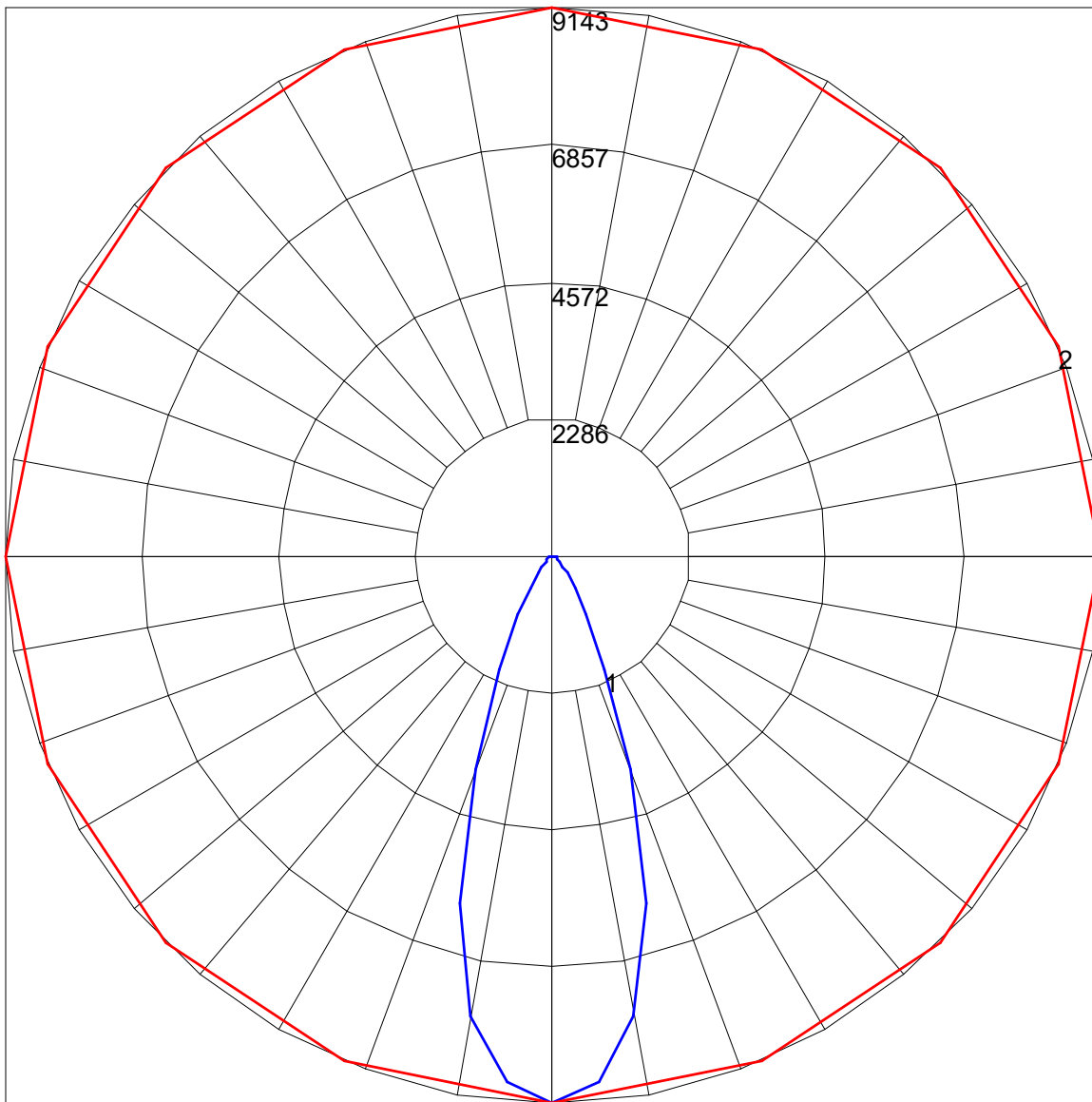
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	2127.2	50.0
Downward House Side	2127.2	50.0
Downward Total	4254.4	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	4254.4	100.0

POLAR GRAPH



Maximum Candela = 9143 Located At Horizontal Angle = 90, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE

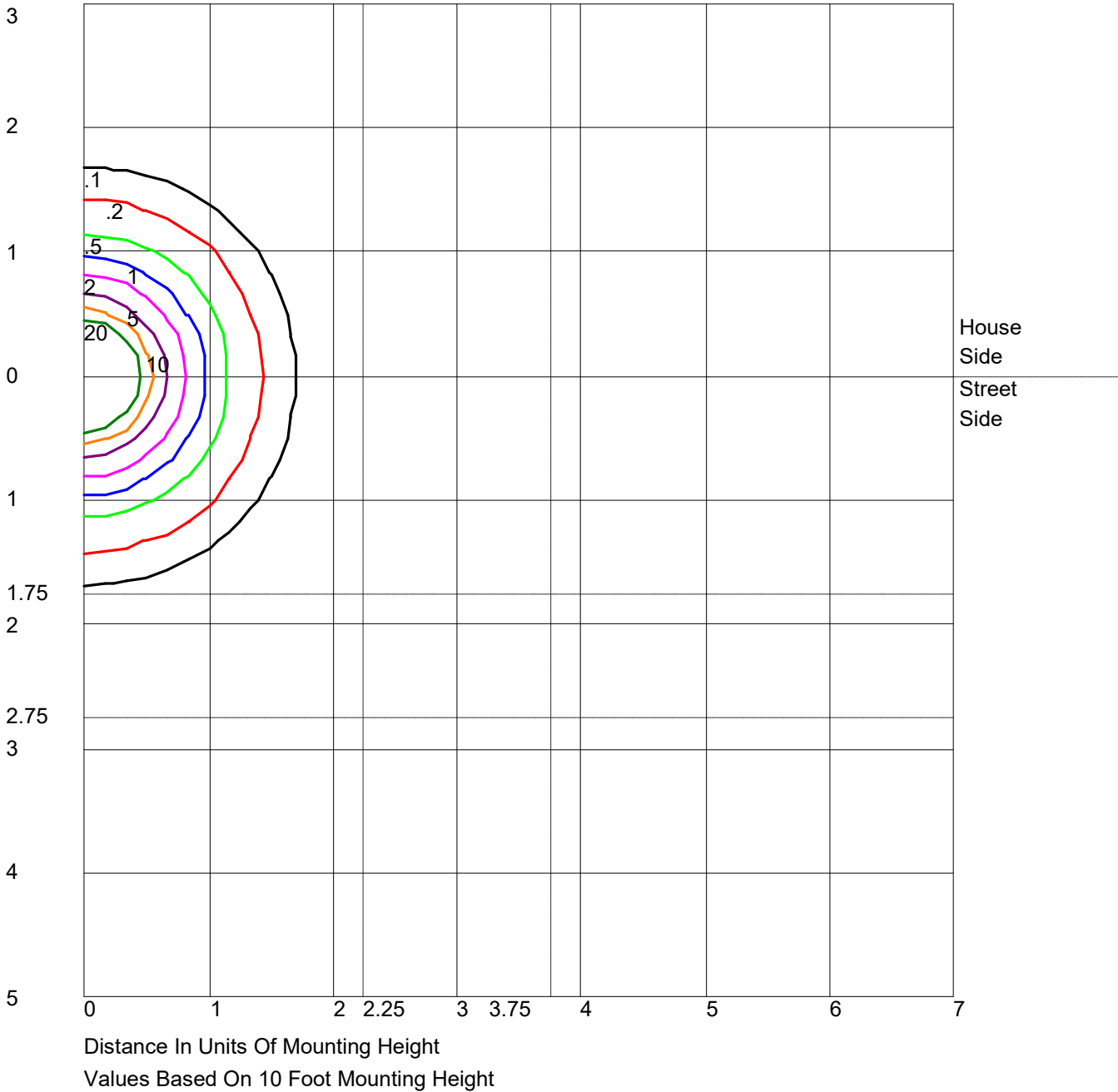


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