



UL Verification Services
7036 Snowdrift Road Suite 200
Allentown, PA 18106
610-774-1300



Photometric Indoor Test Report

Relevant Standards
IES LM-79-2008
ANSI C82.77-2002

Catalog Number
SR6-RAF634-3K
Project Number
10107228
Test Number
363222

Test Date

2013-11-14

Prepared By

A handwritten signature in black ink, reading 'Tammy Lacey'.

Tammy Lacey, Administrative Assistant II

Approved By

A handwritten signature in black ink, reading 'Zachary Mooney'.

Zachary Mooney, Engineer Project Associate

The results contained in this report pertain only to the tested sample.
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Luminaire Description: Aluminum heatsink, white plastic with frosted plastic lens, aluminum semi-specular outer reflector
Catalog Number: SR6-RAF634-3K
Lamp: 16 white LEDs
Mounting: Recessed
Ballast/Driver: One ISDM-T540-U-ND 34

Luminaire

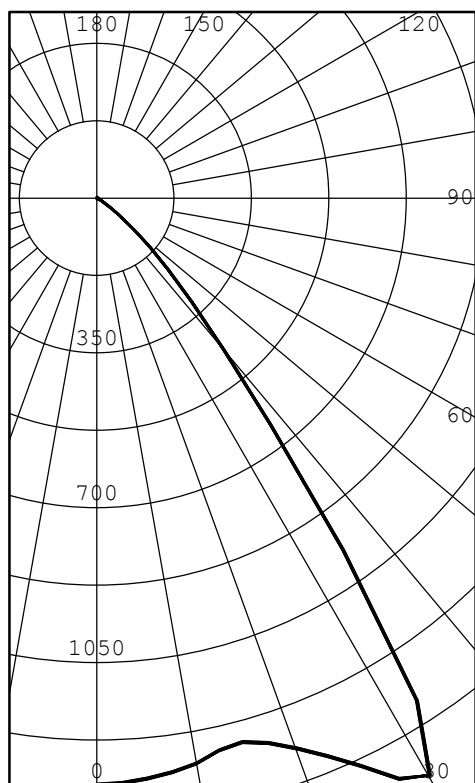


Test Conditions

Test Temperature:	25.0 °C
Voltage:	120.0 VAC
Current:	0.2924 A
Power:	34.09 W
Power Factor:	0.971
Frequency:	60 Hz
Current THD:	24.2 %



INTENSITY (CANDLEPOWER) SUMMARY



ANGLE	MEAN CP	LUMENS
0	1327	
5	1317	127
10	1299	
15	1274	365
20	1324	
25	1417	659
30	1506	
35	972	601
40	448	
45	228	186
50	107	
55	40	42
60	16	
65	9	9
70	5	
75	3	3
80	1	
85	0	0
90	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LUMINAIRE
0-30	1152	57.78
0-40	1753	87.92
0-60	1981	99.37
0-90	1994	100.00
40-90	241	12.08
60-90	13	0.63
90-180	0	0.00
0-180	1994	100.00

EFFICACY (LUMENS PER WATT): 58.5

*** THIS IS AN ABSOLUTE TEST ***

LUMINOUS DIAMETER: 6.000 INS

LUMINANCE SUMMARY CD./SQ.M.

S/MH: 1.3
 SC: 1.1

ANGLE	MEAN CD/SQ M
45	17737
55	3846
65	1122
75	596
85	0

TESTED IN ACCORDANCE WITH IES PROCEDURES.



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INTENSITY (CANDLEPOWER) DATA
IN 2.5 DEGREE STEPS

ANGLE	INTENSITY (CANDLEPOWER)	LUMENS
0.0	1327	
2.5	1324	
5.0	1317	127
7.5	1309	
10.0	1299	
12.5	1279	
15.0	1274	365
17.5	1292	
20.0	1324	
22.5	1366	
25.0	1417	659
27.5	1480	
30.0	1506	
32.5	1346	
35.0	972	601
37.5	646	
40.0	448	
42.5	318	
45.0	228	186
47.5	161	
50.0	107	
52.5	65	
55.0	40	42
57.5	25	
60.0	16	
62.5	12	
65.0	9	9
67.5	7	
70.0	5	
72.5	4	
75.0	3	3
77.5	2	
80.0	1	
82.5	1	
85.0	0	0
87.5	0	
90.0	0	



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COEFFICIENTS OF UTILIZATION

ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE = .20

CC WALL	90				80				70				50				30				10				0
	70	50	30	10	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																									
0	1.221	.221	.221	.22	1.191	.191	.191	.19	1.161	.161	.161	.16	1.111	.111	.11	1.061	.061	.06	1.021	.021	.02	1.00			
1	1.161	.131	.101	.08	1.141	.111	.091	.06	1.111	.091	.071	.05	1.051	.031	.02	1.011	.000	.98	0.980	.970	.96	0.94			
2	1.101	.061	.020	.98	1.081	.041	.000	.97	1.061	.020	.990	.96	0.990	.960	.94	0.960	.940	.92	0.930	.920	.90	0.88			
3	1.050	.980	.930	.89	1.030	.970	.920	.89	1.010	.960	.920	.88	0.930	.900	.87	0.910	.880	.85	0.890	.860	.84	0.83			
4	1.000	.920	.870	.83	0.980	.910	.860	.82	0.970	.900	.850	.81	0.880	.840	.80	0.860	.820	.80	0.840	.810	.79	0.77			
5	0.950	.860	.800	.76	0.930	.850	.790	.75	0.910	.840	.790	.75	0.820	.780	.74	0.810	.770	.74	0.790	.760	.73	0.72			
6	0.900	.810	.750	.70	0.890	.800	.740	.70	0.870	.790	.740	.70	0.780	.730	.69	0.760	.720	.69	0.750	.710	.68	0.67			
7	0.850	.750	.690	.65	0.840	.740	.690	.65	0.820	.740	.680	.64	0.720	.670	.64	0.710	.670	.63	0.700	.660	.63	0.62			
8	0.800	.700	.640	.60	0.790	.690	.640	.59	0.780	.690	.630	.59	0.680	.630	.59	0.670	.620	.59	0.660	.620	.58	0.57			
9	0.750	.650	.590	.54	0.740	.650	.590	.54	0.730	.640	.580	.54	0.630	.580	.54	0.620	.570	.54	0.610	.570	.54	0.52			
10	0.710	.610	.540	.50	0.700	.600	.540	.50	0.690	.600	.540	.50	0.590	.540	.50	0.580	.530	.50	0.570	.530	.49	0.48			

THE ABOVE COEFFICIENTS HAVE BEEN CALCULATED BASED ON LUMINAIRE LUMENS
BECAUSE IN AN ABSOLUTE TEST THE BARE LAMP LUMENS ARE UNKNOWN.
LIGHTING DESIGN CALCULATIONS MADE USING THESE COEFFICIENTS SHOULD
THEREFORE USE THE LUMINAIRE LUMENS IN THE CALCULATION FORMULA

LABORATORY RESULTS MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.
BALLAST AND FIELD FACTORS HAVE NOT BEEN APPLIED.

TEST DISTANCE EXCEEDS FIVE TIMES THE GREATEST
LUMINOUS OPENING OF LUMINAIRE.