

REPORT NUMBER: PRORATED FROM RAB02175

PAGE: 1 OF 6

ISSUE DATE: 07/06/16

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: SK16XL20RYN

LUMINAIRE: STAMPED STEEL CEILING PAN WITH WHITE FINISH, 10 LED BOARDS EACH WITH 8 LEDS, ACRYLIC DROP LENS WITH SMOOTH FINISH.

LAMPS: EIGHTY WHITE LIGHT EMITTING DIODES (LEDs), VERTICAL BASE-UP POSITION.

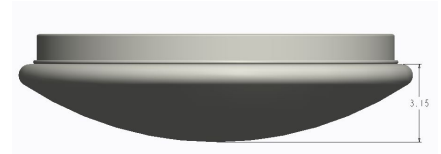
NOTE: THIS REPORT WAS PRORATED FROM RAB02175 WHICH WAS SK16XL20RYY. ACTUAL PERFORMANCE MAY VARY.

TOTAL INPUT WATTS = 20.47 AT 120.0 VOLTS.

LED DRIVER: RDD-MK022-MKP45-A0700

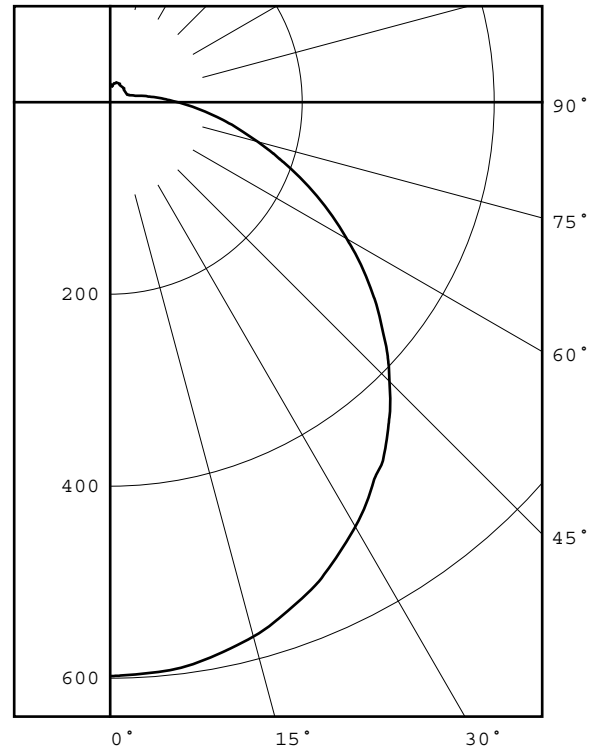
TST PROCEDURE: IESNA LM 79-08

TEST DISTANCE = 25.25 FEET



DEG	CANDELA	LUMENS
0	598	
5	596	57
15	576	163
25	537	247
35	480	301
45	411	318
55	329	294
65	242	239
75	159	169
85	96	105
90	71	
95	51	57
105	26	29
115	19	20
125	19	17
135	20	15
145	20	13
155	22	10
165	20	6
175	17	2
180	19	

ZONAL LUMEN ZONE	SUMMARY LUMENS	%FIXT
0- 30	467	22.6
0- 40	768	37.2
0- 60	1380	66.9
0- 90	1893	91.8
90-120	106	5.1
90-130	123	6.0
90-150	151	7.3
90-180	168	8.2
0-180	2062	100.0



TOTAL INPUT WATTS = 20.47

EFFICACY = 100.7 Lm/W

CIE TYPE - DIRECT

LUMINAIRE SPACING CRITERION = 1.3

Checked	<u>X.CAO</u>
Approved	<u>D.WANG-MUNSON</u>

REPORT NUMBER: PRORATED FROM RAB02175  
ISSUE DATE: 07/06/16  
PREPARED FOR: RAB LIGHTING INC.

PAGE: 2 OF 6

LUMINOUS DIAMETER: 16.000  
HEIGHT OF SIDE : 3.150

LUMINANCE DATA IN CANDELA/SQ METER

ANGLE AVERAGE

IN DEG

45	3585.
55	3254.
65	2865.
75	2447.
85	2188.

REPORT NUMBER: PRORATED FROM RAB02175  
ISSUE DATE: 07/06/16  
PREPARED FOR: RAB LIGHTING INC.

PAGE: 3 OF 6

### CANDELA DISTRIBUTION

	0.0
0.0	598
5.0	596
10.0	588
15.0	576
20.0	558
25.0	537
30.0	511
35.0	480
40.0	450
45.0	411
50.0	371
55.0	329
60.0	285
65.0	242
70.0	199
75.0	159
80.0	126
85.0	96
90.0	71
95.0	51
100.0	37
105.0	26
110.0	22
115.0	19
120.0	19
125.0	19
130.0	19
135.0	20
140.0	20
145.0	20
150.0	20
155.0	22
160.0	22
165.0	20
170.0	19
175.0	17
180.0	19

REPORT NUMBER: PRORATED FROM RAB02175  
ISSUE DATE: 07/06/16  
PREPARED FOR: RAB LIGHTING INC.

PAGE: 4 OF 6

### ZONAL LUMEN SUMMARY

0- 5	14.
5- 10	42.
10- 15	69.
15- 20	94.
20- 25	115.
25- 30	132.
30- 35	146.
35- 40	155.
40- 45	160.
45- 50	158.
50- 55	152.
55- 60	142.
60- 65	128.
65- 70	111.
70- 75	93.
75- 80	76.
80- 85	60.
85- 90	45.
90- 95	33.
95-100	24.
100-105	17.
105-110	13.
110-115	10.
115-120	9.
120-125	9.
125-130	8.
130-135	8.
135-140	8.
140-145	7.
145-150	6.
150-155	5.
155-160	5.
160-165	4.
165-170	2.
170-175	1.
175-180	0.

REPORT NUMBER: PRORATED FROM RAB02175  
ISSUE DATE: 07/06/16  
PREPARED FOR: RAB LIGHTING INC.

PAGE: 5 OF 6

### 5-DEGREE ZONAL LUMEN SUMMARY

0- 5	14
5- 10	42
10- 15	69
15- 20	94
20- 25	115
25- 30	132
30- 35	146
35- 40	155
40- 45	160
45- 50	158
50- 55	152
55- 60	142
60- 65	128
65- 70	111
70- 75	93
75- 80	76
80- 85	60
85- 90	45
90- 95	33
95-100	24
100-105	17
105-110	13
110-115	10
115-120	9
120-125	9
125-130	8
130-135	8
135-140	8
140-145	7
145-150	6
150-155	5
155-160	5
160-165	4
165-170	2
170-175	1
175-180	0

### 10-DEGREE ZONAL LUMEN SUMMARY

0- 10	57
0- 20	219
0- 30	467
0- 40	768
0- 50	1086
0- 60	1380
0- 70	1619
0- 80	1788
0- 90	1893
0-100	1950
0-110	1979
0-120	1999
0-130	2016
0-140	2032
0-150	2044
0-160	2054
0-170	2060
0-180	2062

REPORT NUMBER: PRORATED FROM RAB02175  
ISSUE DATE: 07/06/16

PAGE: 6 OF 6

PREPARED FOR: RAB LIGHTING INC.

### 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	117	117	117	117	113	113	113	113	107	107	107	100	100	100	95	95	95	92
1	105	100	95	91	102	97	92	88	91	87	84	86	83	80	81	78	76	73
2	95	86	79	73	92	84	77	71	79	73	68	74	69	65	70	66	63	60
3	86	75	67	60	83	73	65	59	69	62	57	65	59	55	61	57	53	50
4	79	66	57	50	76	65	56	49	61	54	48	58	51	46	55	49	45	42
5	72	59	50	43	70	58	49	42	54	47	41	52	45	40	49	43	39	36
6	67	53	44	37	64	52	43	37	49	42	36	47	40	35	44	39	34	32
7	62	48	39	33	60	47	38	32	45	37	32	42	36	31	40	35	30	28
8	58	44	35	29	56	43	35	29	41	33	28	39	32	28	37	31	27	25
9	54	40	32	26	52	39	31	26	37	30	25	36	29	25	34	28	24	22
10	50	37	29	24	49	36	29	23	35	28	23	33	27	22	32	26	22	20

ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.