

Certified Test Report No. G22052403

Catalog Number: **SCPL430KMVD2CNHFC-P W/CRM16-P**

Luminaire Information: SCPL SERIES 4, 3000K, 80CRI, WHITE WITH 16" ALUMINUM MEDIUM DISTRIBUTION SHADE

Electrical Measurements: 120.010 V, 1.422 A, 170.060 W, 0.996 PF, 59.998 Hz, 4.511% ITHD, 0.257% VTHD.

Notes: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT VOLTAGE (120VAC, 60Hz) TO THE LUMINAIRE.

Test Distance (ft): 14.14

Test Standards: LM79-19

Candlepower Summary

H/V	0.0	Lumens
0.0	9332	
5.0	9728	984
15.0	15011	4255
25.0	16790	7771
35.0	9484	5958
45.0	291	225
55.0	99	89
65.0	44	44
75.0	18	19
85.0	4	2
90.0	0	

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0 to 30	13751.95	69.24	69.24
0 to 40	19447.17	97.91	97.91
0 to 60	19794.64	99.66	99.66
0 to 90	19862.67	100.00	100.00
90 to 180	0.00	0.00	0.00
0 to 180	19862.67	100.00	100.00

Total Luminous Flux (lm) = 19862.7

Luminous Efficacy (lm/W) = 116.771

CIE Type - Direct

Peak Luminous Intensity (candela) = 18961

Vertical Angle of Peak (degrees) = 21

Horizontal Angle of Peak (degrees) = 0

Beam Angle to % Intensity Value (degrees) = NaN, NaN

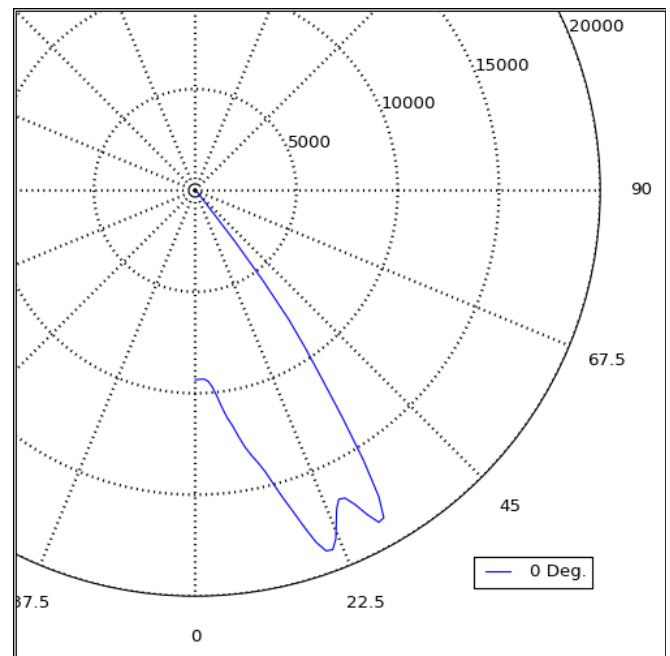
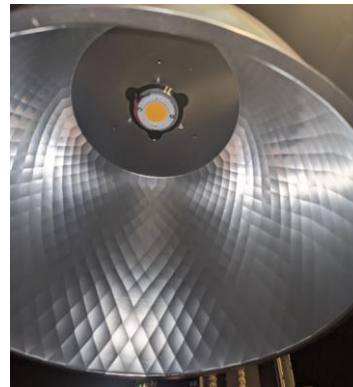
Field Angle to % Intensity Value (degrees) = 77.38, 77.38

Luminous Diameter / Width (in) = 15.96

Luminous Diameter / Length (in) = 15.96

Luminous Diameter / Height (in) = 0

Spacing Criterion (diagonal) = 1.08



Luminance Summary (cd/m²)

H/V	0.0
45.0	3188
55.0	1337
65.0	807
75.0	539
85.0	356

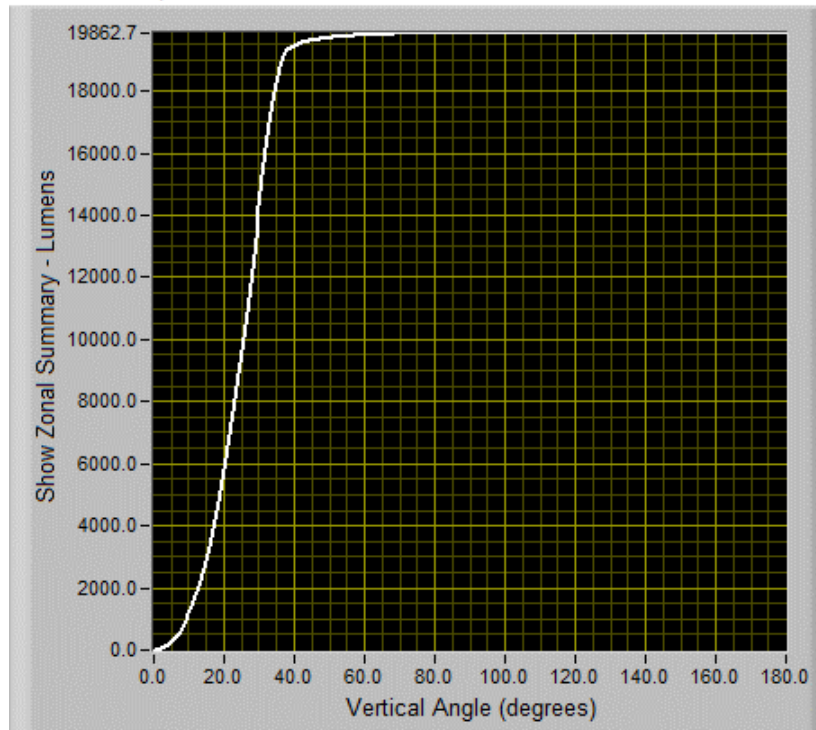
Tested by: JA

Approved by: WW 05/27/22

Zonal Lumen Summary

0 to 5	228.0
5 to 10	797.6
10 to 15	1622.6
15 to 20	2822.6
20 to 25	3779.8
25 to 30	4501.3
30 to 35	4195.5
35 to 40	1499.7
40 to 45	168.8
45 to 50	86.9
50 to 55	54.2
55 to 60	37.6
60 to 65	26.4
65 to 70	18.1
70 to 75	12.1
75 to 80	7.1
80 to 85	3.5
85 to 90	0.9
90 to 95	0.0
95 to 100	0.0
100 to 105	0.0
105 to 110	0.0
110 to 115	0.0
115 to 120	0.0
120 to 125	0.0
125 to 130	0.0
130 to 135	0.0
135 to 140	0.0
140 to 145	0.0
145 to 150	0.0
150 to 155	0.0
155 to 160	0.0
160 to 165	0.0
165 to 170	0.0
170 to 175	0.0
175 to 180	0.0

Zonal Flux Graph



Zonal Lumen Summary

0 to 10	1025.6
0 to 20	5470.8
0 to 30	13751.9
0 to 40	19447.2
0 to 50	19702.9
0 to 60	19794.6
0 to 70	19839.1
0 to 80	19858.3
0 to 90	19862.7
0 to 100	19862.7
0 to 110	19862.7
0 to 120	19862.7
0 to 130	19862.7
0 to 140	19862.7
0 to 150	19862.7
0 to 160	19862.7
0 to 170	19862.7
0 to 180	19862.7

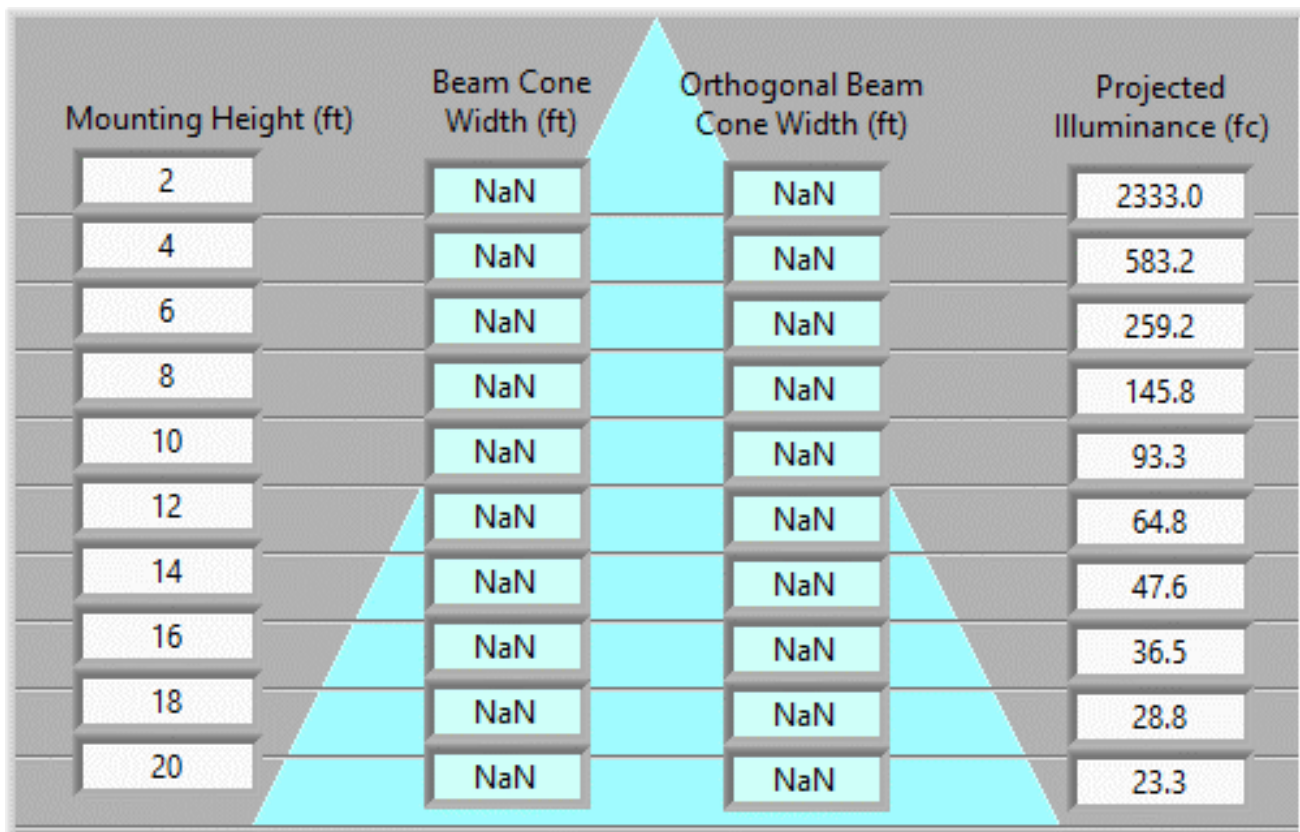
Coefficients of Utilization

Table of Coefficients of Utilization

Calculated using the zonal cavity method

RC	80	80	80	80	70	70	70	70	50	50	50	50	30	30	30	30	10	10	10	10	0
RW	70	50	30	0	70	50	30	0	70	50	30	0	70	50	30	0	70	50	30	0	0
RF	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.16	1.11	1.11	1.11	1.11	1.06	1.06	1.06	1.06	1.02	1.02	1.02	1.02	1.00
1	1.13	1.11	1.08	1.05	1.11	1.08	1.06	1.03	1.06	1.04	1.02	1.00	1.02	1.01	0.99	0.97	0.98	0.97	0.96	0.94	0.93
2	1.08	1.03	0.98	0.93	1.05	1.01	0.97	0.92	1.01	0.98	0.94	0.91	0.98	0.95	0.92	0.89	0.94	0.92	0.90	0.87	0.86
3	1.02	0.95	0.90	0.84	1.00	0.94	0.89	0.84	0.96	0.91	0.87	0.83	0.93	0.89	0.86	0.81	0.90	0.87	0.84	0.80	0.80
4	0.96	0.89	0.83	0.77	0.95	0.88	0.82	0.76	0.91	0.85	0.81	0.76	0.88	0.83	0.79	0.75	0.86	0.81	0.78	0.74	0.74
5	0.91	0.83	0.77	0.70	0.90	0.82	0.76	0.70	0.87	0.80	0.75	0.70	0.84	0.78	0.74	0.69	0.81	0.77	0.73	0.69	0.68
6	0.86	0.77	0.71	0.65	0.85	0.76	0.70	0.64	0.82	0.75	0.70	0.64	0.80	0.73	0.69	0.64	0.77	0.72	0.68	0.63	0.63
7	0.82	0.72	0.66	0.60	0.80	0.71	0.65	0.59	0.78	0.70	0.65	0.59	0.75	0.69	0.64	0.59	0.73	0.68	0.63	0.59	0.59
8	0.77	0.67	0.61	0.55	0.76	0.67	0.61	0.55	0.74	0.66	0.60	0.55	0.72	0.65	0.60	0.55	0.70	0.64	0.59	0.55	0.54
9	0.73	0.63	0.57	0.51	0.72	0.63	0.57	0.51	0.70	0.62	0.56	0.51	0.68	0.61	0.56	0.51	0.66	0.60	0.55	0.51	0.51
10	0.69	0.59	0.53	0.47	0.68	0.59	0.53	0.47	0.66	0.58	0.53	0.47	0.65	0.57	0.52	0.47	0.63	0.56	0.52	0.47	0.47

Cone of Light



Candela Distribution (cd)	
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H/V	0.0
0.0	9332
1.0	9322
2.0	9307
3.0	9326
4.0	9448
5.0	9728
6.0	10170
7.0	10747
8.0	11304
9.0	11727
10.0	12313
11.0	12883
12.0	13347
13.0	13764
14.0	14284
15.0	15011
16.0	15793
17.0	16568
18.0	17462
19.0	18338
20.0	18909
22.5	18178
25.0	16790
27.5	17732
30.0	18628
32.5	14506
35.0	9484
37.5	4338
40.0	733
42.5	435
45.0	291
47.5	212
50.0	158
52.5	123
55.0	99
57.5	81

H/V	0.0
60.0	66.00
62.5	54.00
65.0	44.00
67.5	35.50
70.0	29.00
72.5	23.00
75.0	18.00
77.5	13.00
80.0	9.00
82.5	6.50
85.0	4.00
87.5	1.50
90.0	0.00