



SONUP

The SONUP is a efficient compact luminaire, providing an even distribution of light as the lamp is a vertical position. The SONUP is suitable for indoor and outdoor applications for rough service. These fixtures are ideal for security lighting in parking garages, walkways, entrances, tunnels and loading docks.

HOUSING Sheet metal housing, protected with a powder coat paint finish. The housing is both strong and light weight and has five 1/2" knockout wiring entries. One on each side and one on the back of the fixture.

LENS AND FRAME ASSEMBLY The polycarbonate, prismatic lens is mated to the fixture housing with a full neoprene gasket, providing optimum long-term performance. The lens is secured with two stainless steel screws, providing a tight seal against contaminants.

REFLECTOR The Sonup has the lamp in the vertical position with a contoured reflector surrounding the lamp to provide optimum performance.

BALLAST All ballasts for Metal Halide are Tri-Tap 120,277,347 volts for 50 and 70 watts. For High Pressure Sodium, ballasts are available in 120 volts normal and high power factor, for 50, 70 and 100 watts. The same are also available as Tri-Tap 120-277-347 volts.



LAMP All units come complete with lamp.

SOCKET Medium base 4KV pulse-rated socket with a nickel-plated screw shell and a spring-loaded centre contact.

MOUNTING Ceiling mount only.

FINISH Standard finishes are Charcoal, Bronze and White. Custom colours are available upon request.

OPTIONS Quartz standby and tamper proof hardware.



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Catalog Code

SNP

50HPS 70HPS 100HPS
50MH 70MH

LAMP

120NPF* 120HPF* 120 277 347

VOLTAGE

CHA-CHARCOAL
BZ-BRONZE WH-WHITE
CC-CUSTOM COLOUR

FINISH

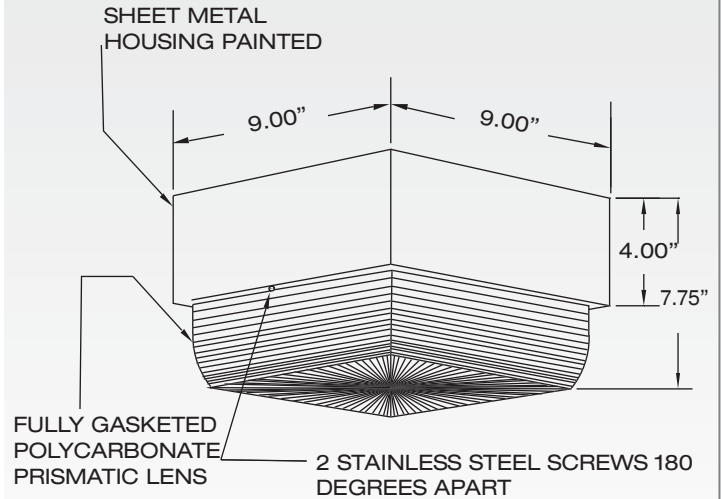
QRS-QUARTZ RESTRIKE
TS-TAMPER PROOF SCREWS

OPTIONS

* NPF AND HPF CAN ONLY BE USED
WITH 50 70 AND 100HPS OPTION

Dimensions

RAB
DESIGN



FILENAME: SNP70MH.IES

TEST NO. 5495

DESIGN ELECTRICAL PARKING GARAGE UNIT CAT. NO. SNP70MH120 SONUP
WITH DIFFUSE REFLECTOR AND PRISMATIC REFRACTOR
ONE 70W CLEAR METAL HALIDE LAMP. LUMEN RATING = 5200 LMS.

SUMMARY DATA

EFFICIENCY (Total): 60.3 %
EFFICIENCY (Downlight): 50.6 %
EFFICIENCY (Uplight): 9.7 %
CIE CLASSIFICATION: SEMI-DIRECT
SPACING CRITERION (0-Deg.): 2.09
SPACING CRITERION (90-Deg.): 2.26
LUMENS/LAMP: 5200
NO. OF LAMPS: 1

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0 - 30	322.0	6.2	10.3
0 - 40	598.2	11.5	19.1
0 - 60	1384.4	26.6	44.2
60 - 90	1247.3	24.0	39.8
0 - 90	2631.8	50.6	84.0
90 - 180	503.1	9.7	16.0
0 - 180	3134.8	60.3	100.0

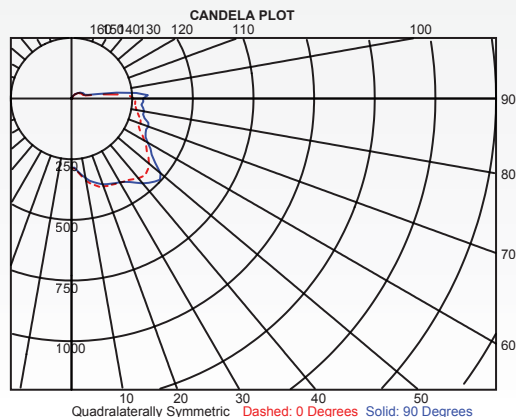
AVERAGE LUMINANCE

Angle	0	22.5	45	67.5	90
0	7729	7729	7729	7729	7729
45	11182	11299	11715	11766	12441
55	10524	11388	11715	11536	11191
65	9710	11330	11586	10980	10522
75	10676	13347	13837	12885	11526
85	12354	15431	15673	14536	13575

COEFFICIENT OF UTILIZATION TABLE

Effective Floor cavity Reflectance = 20%

Pcc ...	80				70				50				30				10				0
Pw ...	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0			
RCR																					
0	.69	.69	.69	.69	.67	.67	.67	.67	.62	.62	.62	.57	.57	.57	.53	.53	.53	.51			
1	.60	.55	.51	.48	.57	.53	.49	.46	.48	.45	.43	.44	.42	.39	.40	.38	.37	.34			
2	.53	.46	.40	.36	.50	.44	.39	.35	.40	.36	.32	.37	.33	.30	.33	.30	.28	.26			
3	.47	.39	.33	.28	.45	.37	.32	.27	.34	.29	.25	.31	.27	.24	.28	.25	.22	.20			
4	.43	.34	.28	.23	.40	.32	.27	.22	.30	.25	.21	.27	.23	.19	.25	.21	.18	.16			
5	.39	.30	.24	.19	.37	.29	.23	.18	.26	.21	.17	.24	.19	.16	.22	.18	.15	.13			
6	.36	.26	.20	.16	.34	.25	.20	.15	.23	.18	.15	.21	.17	.14	.19	.16	.13	.11			
7	.33	.24	.18	.14	.31	.23	.17	.13	.21	.16	.13	.19	.15	.12	.17	.14	.11	.10			
8	.30	.21	.16	.12	.29	.21	.15	.12	.19	.14	.11	.17	.13	.10	.16	.12	.10	.08			
9	.28	.19	.14	.10	.27	.19	.14	.10	.17	.13	.10	.16	.12	.09	.15	.11	.08	.07			
10	.26	.18	.13	.09	.25	.17	.12	.09	.16	.12	.09	.15	.11	.08	.13	.10	.08	.06			



FILENAME: SNP100HP.IES

FILE : SNP100HP.IES

TEST REPORT NO. : 3186

CATALOGUE NO. : SNP-100-HPS SON-UP INDOOR LUMINAIRE
WITH SEMI-SPECULAR REFLECTOR AND PLASTIC PRISMATIC REFRACTOR
LAMP : ONE 100W CLEAR HPS LAMP. LUMEN RATING = 9500 LMS.

SUMMARY DATA

EFFICIENCY (Total): 66.9 %
EFFICIENCY (Downlight): 55.6 %
EFFICIENCY (Uplight): 11.3 %
CIE CLASSIFICATION: SEMI-DIRECT
SPACING CRITERION (0-Deg.): 2.11
SPACING CRITERION (90-Deg.): 2.26
LUMENS/LAMP: 9500
NO. OF LAMPS: 1

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0 - 30	592.9	6.2	9.3
0 - 40	1124.7	11.8	17.7
0 - 60	2705.6	28.5	42.6
60 - 90	2573.3	27.1	40.5
0 - 90	5278.9	55.6	83.0
90 - 180	1077.7	11.3	17.0
0 - 180	6356.6	66.9	100.0

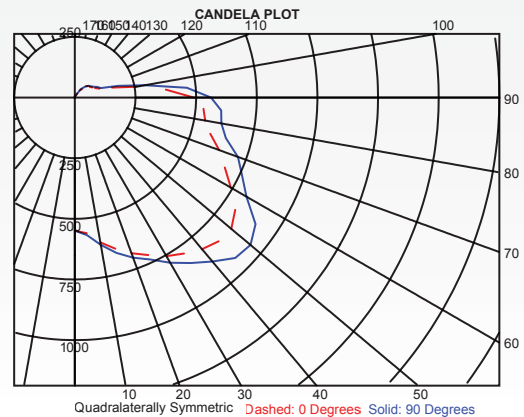
AVERAGE LUMINANCE

Angle	0	22.5	45	67.5	90
0	18839	18839	18839	18839	18839
45	25599	24631	25824	27417	28556
55	26231	26597	27607	29966	29551
65	24487	26804	27936	30644	27300
75	23958	27252	29745	32071	26716
85	27096	30075	32248	35279	30846

COEFFICIENT OF UTILIZATION TABLE

Effective Floor cavity Reflectance = 20%

Pcc ...	80			70			50			30			10			0		
Pw ...	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
0	.77	.77	.77	.77	.74	.74	.74	.74	.68	.68	.68	.63	.63	.63	.58	.58	.58	.56
1	.66	.61	.57	.53	.63	.58	.54	.51	.53	.50	.47	.49	.46	.43	.44	.42	.40	.38
2	.58	.51	.45	.39	.55	.48	.43	.38	.44	.39	.35	.40	.36	.33	.36	.33	.30	.28
3	.52	.43	.36	.31	.49	.41	.35	.30	.37	.32	.28	.34	.30	.26	.31	.27	.24	.22
4	.47	.37	.30	.25	.44	.36	.29	.24	.32	.27	.22	.29	.25	.21	.27	.23	.19	.17
5	.43	.33	.26	.20	.40	.31	.25	.20	.28	.23	.19	.26	.21	.17	.23	.19	.16	.14
6	.39	.29	.22	.17	.37	.28	.21	.17	.25	.20	.16	.23	.18	.15	.21	.17	.14	.12
7	.36	.26	.19	.15	.34	.25	.19	.14	.23	.17	.13	.21	.16	.12	.19	.15	.12	.10
8	.33	.23	.17	.13	.32	.22	.16	.12	.21	.15	.12	.19	.14	.11	.17	.13	.10	.09
9	.31	.21	.15	.11	.29	.20	.15	.11	.19	.14	.10	.17	.13	.10	.16	.12	.09	.07
10	.29	.19	.14	.10	.27	.19	.13	.10	.17	.12	.09	.16	.11	.08	.14	.11	.08	.07



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