

Code•Master™ 2 HID Factory Sealed Luminaires

Explosionproof, Dust-Ignitionproof

* Photometric data is based on a 400-watt clear Pulse Start Metal Halide lamp (34,000 lumens). For candlepower values of fixtures with other lamps, use the following multipliers: 400 W HPS – 1.13 (50,000 lumens); and 250 W HPS – 0.68 (30,000 lumens).

NEC:
 Class I, Division 1 and 2, Groups C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 Marine Type Electric Fixtures
 Outside Type (Salt Water)

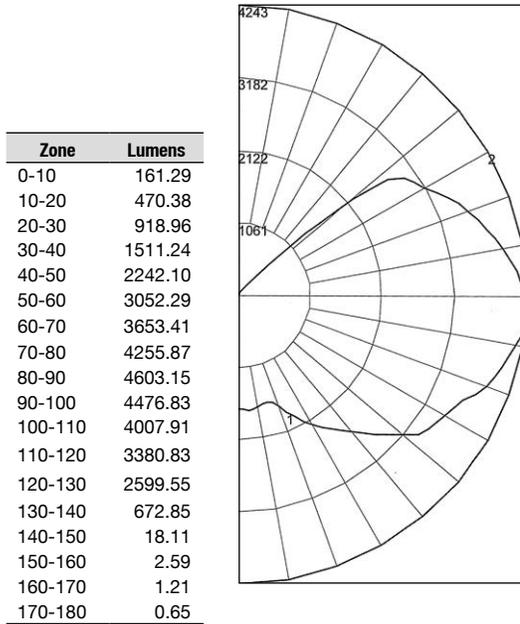
CEC:
 Class I, Division 1 and 2, Groups B, C, D
 Class I, Zone 1 and 2; IIB, IIA
 Class II, Division 1, Groups E, F, G
 Class II, Division 2, Groups F, G
 Class III

CEC:
 CSA Type 4X
 Exd IIB, Zone 1

Photometric Data

Total Luminaire Efficiency = 81.9%

CIE Type – General Diffuse



REPORT NUMBER: CP40G

Lamps: 400 W Pulse Start Metal Halide with Globe only

Coefficients of Utilization – Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

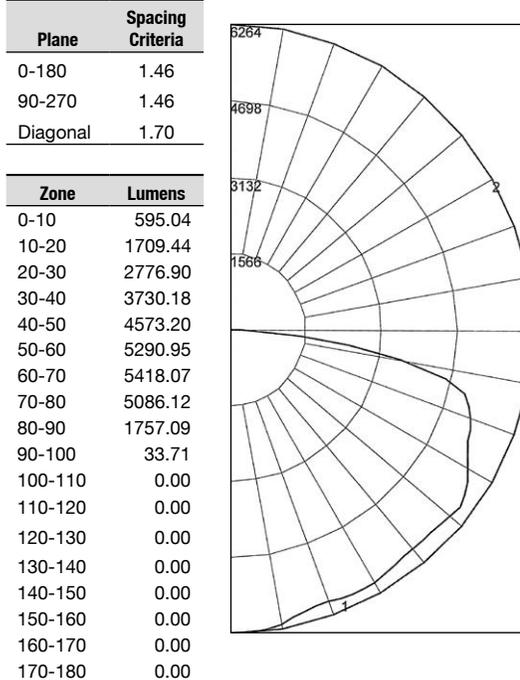
% Ceiling	Rcc	80				70				50			30			10			0
		70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	89	89	89	89	83	83	83	83	72	72	72	61	61	61	52	52	52	47	
1	76	70	65	60	70	65	60	56	55	51	48	46	43	40	38	35	33	29	
2	67	59	51	45	62	54	48	42	45	40	36	37	33	30	30	27	24	20	
3	60	50	42	36	55	46	39	33	39	33	28	32	27	23	25	22	19	15	
4	55	43	35	29	50	40	32	27	33	27	23	27	22	19	22	18	15	12	
5	50	38	30	24	45	35	28	22	29	23	19	24	19	15	19	15	12	9	
6	45	34	26	20	41	31	24	18	26	20	16	21	16	13	17	13	10	8	
7	42	30	22	17	38	28	21	16	23	18	13	19	14	11	15	11	9	6	
8	39	27	20	15	35	25	18	14	21	15	12	17	13	9	14	10	7	5	
9	36	25	18	13	33	23	16	12	19	14	10	16	11	8	13	9	6	5	
10	33	22	16	11	31	21	15	10	18	12	9	15	10	7	12	8	6	4	

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture	Zone	Lumens	% Lamp	% Fixture
0-30	1550.63	3.5	4.3	90-120	11865.57	27.0	32.9
0-40	3061.87	7.0	8.5	90-130	14465.12	32.9	40.1
0-60	8356.25	19.0	23.2	90-150	15156.08	34.4	40.1
0-90	20868.68	47.4	57.9	90-180	15160.53	34.5	42.1
				0-180	36029.22	81.9	100.0

Total Luminaire Efficiency = 70.4%

CIE Type – Direct



REPORT NUMBER: CP40ST

Lamps: 400 W Pulse Start Metal Halide with Standard Dome Reflector

Coefficients of Utilization – Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

% Ceiling	Rcc	80				70				50			30			10			0
		70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	84	84	84	84	82	82	82	82	78	78	78	75	75	75	72	72	72	70	
1	74	69	65	62	72	68	64	60	64	61	58	62	59	57	59	57	55	53	
2	65	58	52	47	63	57	51	46	54	49	45	51	47	44	49	46	43	41	
3	58	49	42	37	57	48	42	36	46	40	36	44	39	35	42	38	34	32	
4	53	43	35	30	51	42	35	30	40	34	29	38	33	29	36	32	28	26	
5	48	38	30	25	46	37	30	25	35	29	24	34	28	24	32	27	24	22	
6	44	33	26	21	43	33	26	21	31	25	21	30	25	21	29	24	20	19	
7	41	30	23	18	39	29	23	18	28	22	18	27	22	18	26	21	18	16	
8	38	27	21	16	37	27	20	16	26	20	16	25	19	16	24	19	15	14	
9	35	25	18	14	34	24	18	14	23	18	14	23	18	14	22	17	14	12	
10	33	23	17	13	32	22	17	13	22	16	13	21	16	12	20	16	12	11	

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture	Zone	Lumens	% Lamp	% Fixture
0-30	5081.38	11.5	16.4	90-120	33.71	0.1	0.1
0-40	8811.56	20.0	28.5	90-130	33.71	0.1	0.1
0-60	18675.71	42.4	60.3	90-150	33.71	0.1	0.1
0-90	30936.99	70.3	99.9	90-180	33.71	0.1	0.1
				0-180	30970.7	70.4	100.0

HID/AREA: NEC/CEC EXPLOSIONPROOF

Appleton®