

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: SHAPER

Report Number: P24618

Luminaire Tested: **682-WP**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P24618
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: SHAPER
Catalog Number: 682-WP
Description: SHAPER, FLOATING WEDGE WALL SCONCE, BRONZE
Light Source: (1) SHAPER 2700K LED
Ballast/Driver: (1) 20-3873 ELECTRONIC DRIVER
LP1020-24-C0700

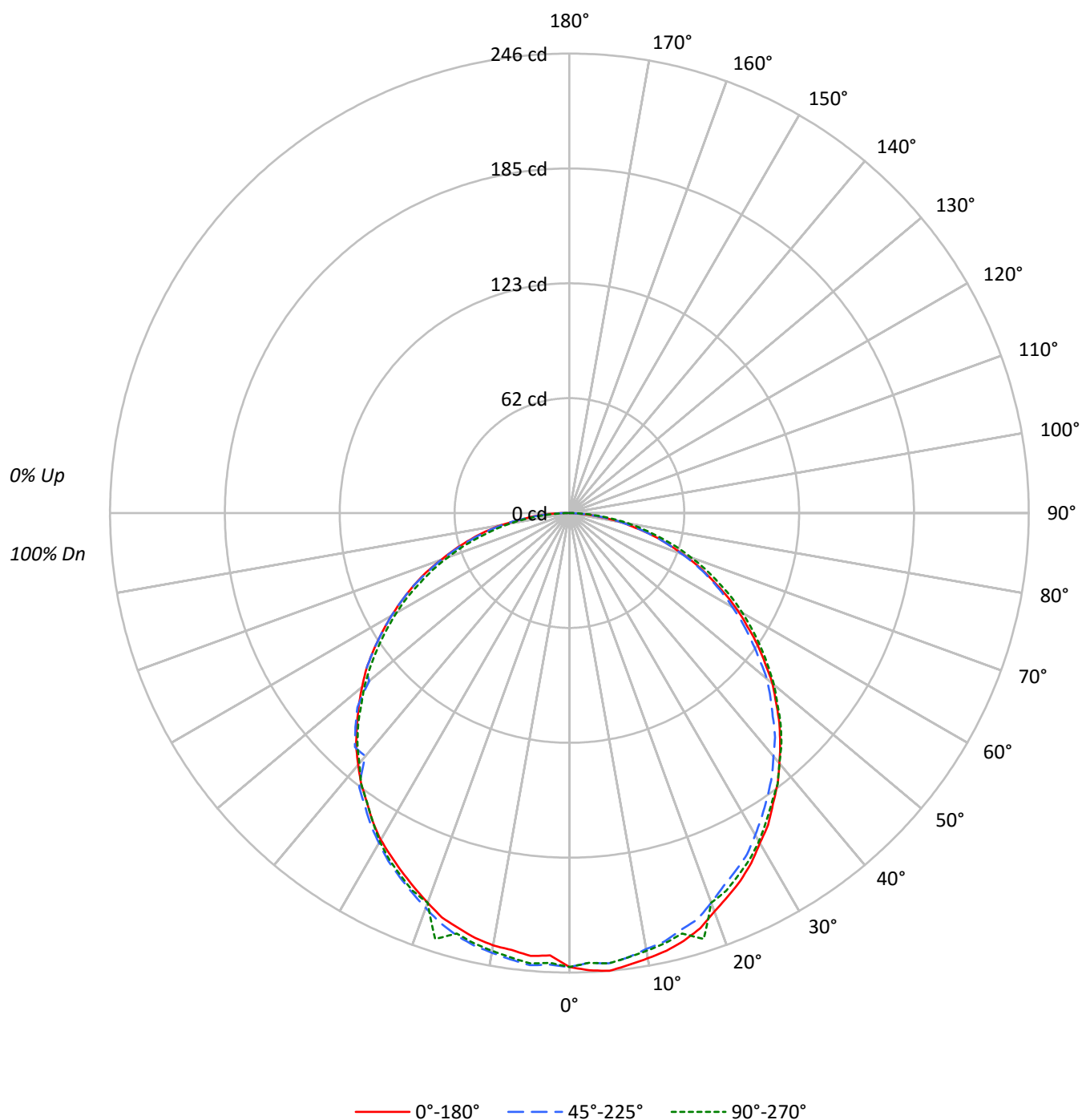
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 697.6 lumens
Efficiency: N/A
Efficacy: 43.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 16.1
Input Voltage (V): 120.03
Input Current (Ain): 0.135
Voltage Rise (V): NR
Power Factor: 0.995
Total Harmonic Distortion (THDi): 13.0
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	108	103	99	95	106	101	97	93		97	94	91		93	90	88		89	87	85
2	98	90	83	77	96	88	82	76		84	79	74		81	77	73		78	74	71
3	90	79	70	64	87	77	69	63		74	68	62		71	66	61		69	64	60
4	82	70	61	54	80	68	60	53		66	59	53		63	57	52		61	56	51
5	75	62	53	46	73	61	52	46		59	51	46		57	50	45		55	49	45
6	69	56	47	40	68	55	46	40		53	46	40		51	45	39		50	44	39
7	64	51	42	36	63	50	41	35		48	41	35		47	40	35		45	39	35
8	60	46	38	32	58	46	37	32		44	37	31		43	36	31		42	36	31
9	56	42	34	29	55	42	34	28		41	33	28		40	33	28		39	32	28
10	52	39	31	26	51	39	31	26		38	31	26		37	30	26		36	30	25

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	10463	10463	10463
5°	10632	10459	10286
10°	10580	10405	10274
15°	10564	10386	10252
20°	10401	10172	10172
25°	10309	10166	10071
30°	10142	10092	10043
35°	9987	9934	9934
40°	9836	9836	9892
45°	9681	9742	9803
50°	9512	9579	9712
55°	9233	9383	9608
60°	8956	9214	9472
65°	8558	8965	9373
70°	8183	8686	9190
75°	7652	8318	9149
80°	6943	7934	9174
85°	4940	6916	9386

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.8	3.3
10°-20°	65.5	9.4
20°-30°	98.5	14.1
30°-40°	118.4	17.0
40°-50°	123.1	17.6
50°-60°	112.2	16.1
60°-70°	87.5	12.5
70°-80°	53.5	7.7
80°-90°	16.2	2.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	186.9	26.8
0°-40°	305.3	43.8
0°-60°	540.5	77.5
0°-90°	697.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	697.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	243	243	243	243	243	
5°	246	242	242	243	238	23
15°	237	231	233	234	230	67
25°	217	211	214	215	212	100
35°	190	185	189	191	189	119
45°	159	154	160	162	161	122
55°	123	119	125	128	128	110
65°	84	83	88	92	92	84
75°	46	46	50	54	55	48
85°	10	11	14	17	19	12
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	243	243	243	243	243	243	243	243	243
2.5°	245	244	241	234	241	239	242	237	237
5°	246	245	242	236	242	240	243	238	238
7.5°	244	243	240	233	240	239	241	237	236
10°	242	241	237	231	238	237	239	234	235
12.5°	240	239	235	229	236	236	237	233	233
15°	237	236	231	226	233	233	234	230	230
17.5°	233	232	228	222	239	231	230	227	227
20°	227	227	222	218	222	226	225	222	222
22.5°	222	222	216	213	219	222	220	218	217
25°	217	216	211	208	214	217	215	213	212
27.5°	211	211	206	203	209	212	210	208	207
30°	204	205	199	196	203	207	204	202	202
32.5°	198	198	192	190	196	201	198	196	196
35°	190	191	185	183	189	194	191	190	189
37.5°	183	184	178	177	183	188	185	184	183
40°	175	176	170	169	175	182	170	177	176
42.5°	167	168	163	162	168	173	170	170	169
45°	159	160	154	154	160	165	162	162	161
47.5°	150	151	146	146	151	157	154	155	153
50°	142	143	138	138	143	149	140	147	145
52.5°	132	134	128	136	134	140	137	131	137
55°	123	124	119	127	125	130	128	129	128
57.5°	113	115	110	112	116	121	119	121	119
60°	104	105	101	103	107	112	110	112	110
62.5°	94	96	92	94	98	102	101	103	101
65°	84	86	83	84	88	91	92	93	92
67.5°	75	76	74	75	79	83	82	84	83
70°	65	67	64	66	69	73	73	75	73
72.5°	55	57	55	57	60	63	63	65	64
75°	46	47	46	48	50	54	54	55	55
77.5°	36	38	37	39	41	44	45	46	46
80°	28	29	28	30	32	35	36	37	37
82.5°	18	19	19	21	23	26	26	27	25
85°	10	11	11	12	14	17	17	18	19
87.5°	3	3	3	4	6	8	9	9	10
90°	0	0	0	0	0	0	0	0	0

(END OF REPORT)