

Scaled data based on original data using
LM-46-04 Photometric Testing of Indoor Luminaires Using High Intensity Discharge or
Incandescent Filament Lamps (Reaffirmed 2012)

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO

Report Number: H35028

Luminaire Tested: **H800-800P**

Issue Date: 3/3/2020



Test Information

Test Method: LM-46-04
Report Number: H35028
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H800-800P
Description: HALO PL RECESSED DOWNLIGHT
SPECULAR REFLECTOR WITH ALBALITE GLASS LENS
HORIZONTAL LAMP SETTING
Light Source: (2) 13W/TT 13 WATTS 900 LUMENS EACH
10mm TWIN TUBE COMPACT FLUORESCENT
GX23 D-2 BASE
Ballast/Driver: -

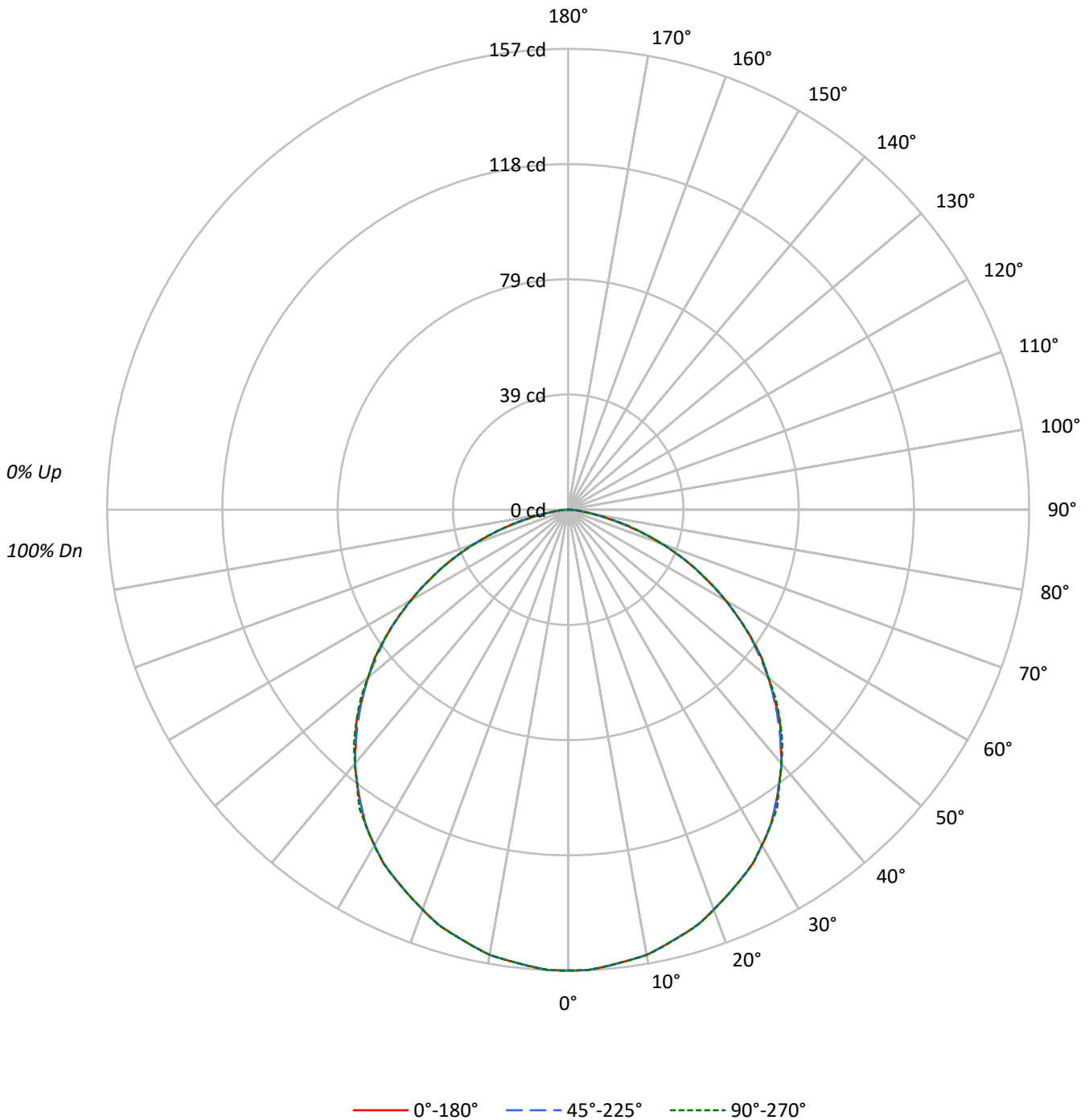
Summary

Lumens per Lamp: 900 (2 lamps)
Luminaire Lumens: 417.7 lumens
Efficiency: 23.2%
Efficacy: 11.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.35
Luminous Opening: (L: 0 ' x W: -0.53 ' x H: 0 '
CIE Type: Direct

Input Watts (W): 36
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	14.8	3.6	0.8
10°-20°	42.4	10.1	2.4
20°-30°	64.1	15.4	3.6
30°-40°	77.0	18.4	4.3
40°-50°	78.3	18.7	4.4
50°-60°	67.8	16.2	3.8
60°-70°	47.5	11.4	2.6
70°-80°	21.9	5.2	1.2
80°-90°	3.9	0.9	0.2
90°-100°	0.0	0.0	0.0
100°-110°	0.0	0.0	0.0
110°-120°	0.0	0.0	0.0
120°-130°	0.0	0.0	0.0
130°-140°	0.0	0.0	0.0
140°-150°	0.0	0.0	0.0
150°-160°	0.0	0.0	0.0
160°-170°	0.0	0.0	0.0
170°-180°	0.0	0.0	0.0
0°-30°	121.3	29.0	6.7
0°-40°	198.3	47.5	11.0
0°-60°	344.4	82.5	19.1
0°-90°	417.7	100.0	23.2
90°-120°	0.0	0.0	0.0
90°-150°	0.0	0.0	0.0
90°-180°	0.0	0.0	0.0
0°-180°	417.7	100.0	23.2

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	157	157	157	157	157	
5°	156	156	156	156	156	15
15°	150	150	150	150	150	42
25°	139	139	139	140	139	64
35°	123	123	123	123	124	77
45°	102	102	101	102	102	78
55°	76	76	76	76	76	68
65°	48	48	48	48	48	47
75°	20	20	21	21	21	22
85°	3	3	3	3	3	4
90°	0	0	0	0	0	0
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	157	157	157	157	157
2.5°	157	157	157	157	157
5°	156	156	156	156	156
7.5°	155	155	155	155	155
10°	154	154	154	154	154
12.5°	152	152	152	152	152
15°	150	150	150	150	150
17.5°	148	148	148	148	148
20°	145	145	145	145	145
22.5°	142	142	142	142	142
25°	139	139	139	140	139
27.5°	136	136	136	136	136
30°	132	132	132	132	132
32.5°	128	128	128	128	128
35°	123	123	123	123	124
37.5°	118	118	118	118	118
40°	113	113	113	113	113
42.5°	107	107	107	108	108
45°	102	102	101	102	102
47.5°	95	96	95	96	96
50°	89	89	89	89	89
52.5°	83	83	82	83	83
55°	76	76	76	76	76
57.5°	69	69	69	69	69
60°	62	62	62	62	62
62.5°	55	55	55	55	55
65°	48	48	48	48	48
67.5°	41	41	41	41	41
70°	34	34	34	34	34
72.5°	27	27	27	27	27
75°	20	20	21	21	21
77.5°	14	14	14	14	14
80°	9	9	9	9	9
82.5°	5	5	5	5	5
85°	3	3	3	3	3
87.5°	1	2	2	2	2
90°	0	0	0	0	0
92.5°	0	0	0	0	0
95°	0	0	0	0	0
97.5°	0	0	0	0	0
100°	0	0	0	0	0
102.5°	0	0	0	0	0
105°	0	0	0	0	0
107.5°	0	0	0	0	0
110°	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0	0	0	0	0
115°	0	0	0	0	0
117.5°	0	0	0	0	0
120°	0	0	0	0	0
122.5°	0	0	0	0	0
125°	0	0	0	0	0
127.5°	0	0	0	0	0
130°	0	0	0	0	0
132.5°	0	0	0	0	0
135°	0	0	0	0	0
137.5°	0	0	0	0	0
140°	0	0	0	0	0
142.5°	0	0	0	0	0
145°	0	0	0	0	0
147.5°	0	0	0	0	0
150°	0	0	0	0	0
152.5°	0	0	0	0	0
155°	0	0	0	0	0
157.5°	0	0	0	0	0
160°	0	0	0	0	0
162.5°	0	0	0	0	0
165°	0	0	0	0	0
167.5°	0	0	0	0	0
170°	0	0	0	0	0
172.5°	0	0	0	0	0
175°	0	0	0	0	0
177.5°	0	0	0	0	0
180°	0	0	0	0	0

(END OF REPORT)