

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO

Report Number: H22236

Luminaire Tested: **H285HPL-406**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: H22236
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H285HPL-406
Description: HALO 6" DIA RECESSED DOWNLIGHT SPECULAR REFLECTOR
Light Source: 26 WATTS 1800 LUMENS TRIPLE TWIN TUBE COMPACT FLUORESCENT
26WTTT
Ballast/Driver: -

Summary

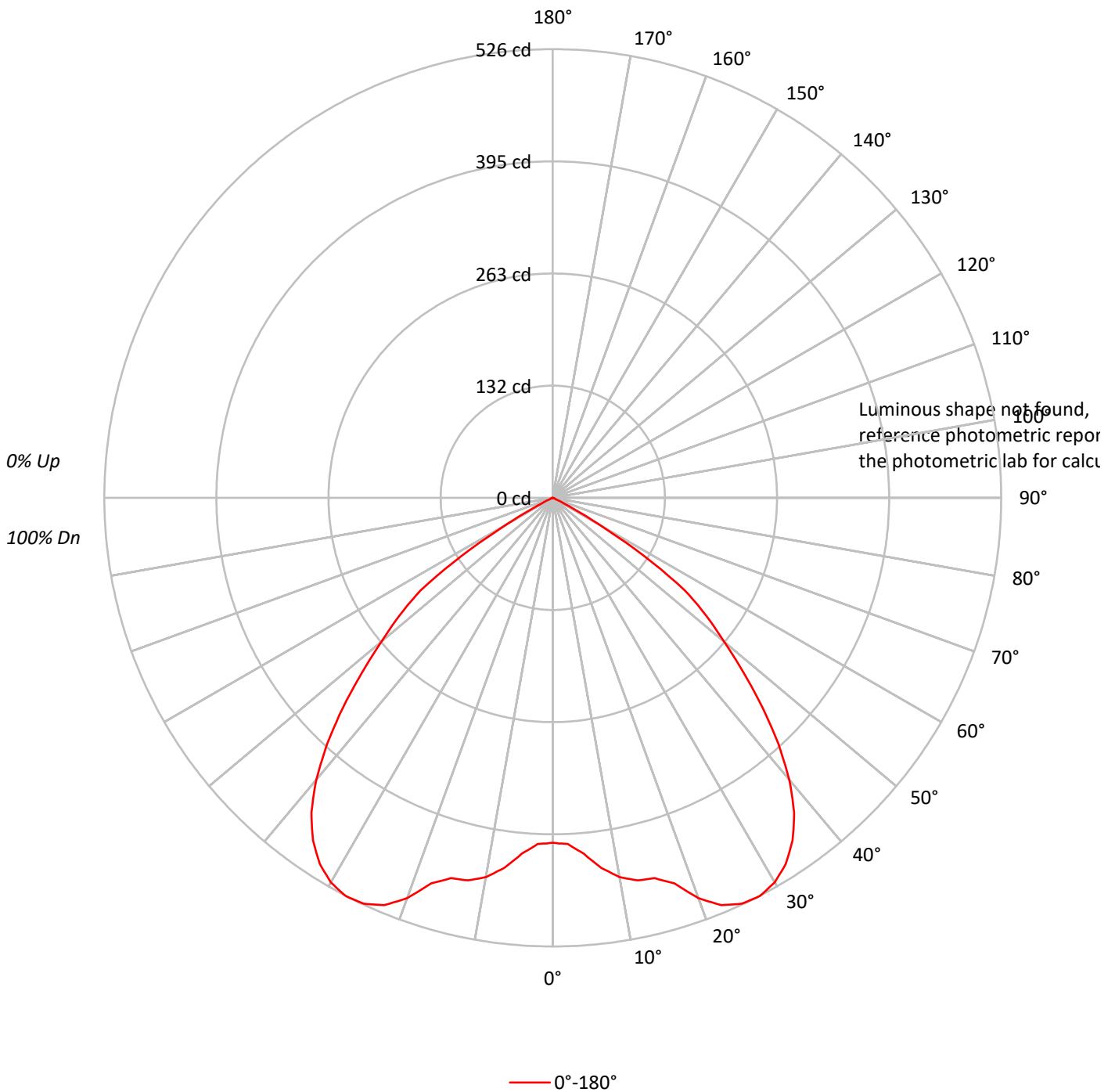
Lumens per Lamp: 1800 (1 lamp)
Luminaire Lumens: 1158.0 lumens
Efficiency: 64.3%
Efficacy: 41.4 lumens/watt
Spacing Criteria (0/90/45): 1.65 / 1.65 / 1.51
Luminous Opening: (L: 0' x W: -0.48' x H: 0'
CIE Type: Direct

Input Watts (W): 28
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



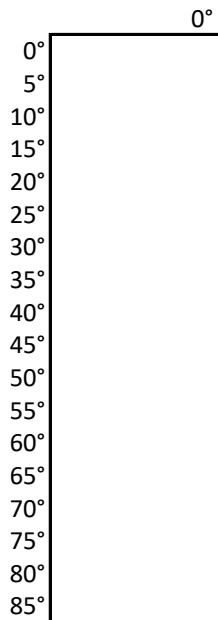


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	77	77	77	77	75	75	75	75	71	71	71		68	68	68		66	66	66	64
1	72	70	68	66	70	68	66	65	66	64	63		63	62	61		61	60	59	58
2	67	63	59	57	65	62	59	56	59	57	55		57	55	53		56	54	52	51
3	62	57	52	49	61	56	52	49	54	50	48		52	49	47		51	48	46	45
4	57	51	46	43	56	50	46	42	49	45	42		47	44	41		46	43	41	40
5	53	46	41	38	52	45	41	37	44	40	37		43	39	37		42	39	36	35
6	49	42	37	33	48	41	37	33	40	36	33		39	35	33		38	35	32	31
7	46	38	33	30	45	38	33	29	37	32	29		36	32	29		35	32	29	28
8	43	35	30	26	42	34	30	26	34	29	26		33	29	26		32	29	26	25
9	40	32	27	24	39	32	27	24	31	27	24		30	26	24		30	26	23	22
10	37	29	25	22	37	29	25	22	29	24	21		28	24	21		27	24	21	20

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	41.1	3.6	2.3
10°-20°	133.1	11.5	7.4
20°-30°	240.7	20.8	13.4
30°-40°	303.6	26.2	16.9
40°-50°	267.3	23.1	14.8
50°-60°	156.3	13.5	8.7
60°-70°	14.4	1.2	0.8
70°-80°	1.3	0.1	0.1
80°-90°	0.2	0.0	0.0
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°	415.0	35.8	23.1
0°-40°	718.6	62.1	39.9
0°-60°	1142.2	98.6	63.5
0°-90°	1158.0	100.0	64.3
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°	1158.0	100.0	64.3

CANDELA DISTRIBUTION:

	0°	Flux
0°	404	
5°	419	41
15°	462	133
25°	525	241
35°	490	304
45°	348	267
55°	189	156
65°	5	14
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	404.5
2.5°	406.3
5°	418.9
7.5°	437.7
10°	451.4
12.5°	459.5
15°	461.6
17.5°	474.0
20°	499.3
22.5°	516.9
25°	525.1
27.5°	526.2
30°	520.5
32.5°	508.7
35°	490.3
37.5°	465.0
40°	431.6
42.5°	391.7
45°	348.3
47.5°	303.2
50°	261.9
52.5°	226.4
55°	189.3
57.5°	127.0
60°	61.4
62.5°	20.6
65°	4.6
67.5°	2.5
70°	1.9
72.5°	1.5
75°	1.1
77.5°	0.9
80°	0.6
82.5°	0.4
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.0
105°	0.0
107.5°	0.0
110°	0.0



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	0.0
115°	0.0
117.5°	0.0
120°	0.0
122.5°	0.0
125°	0.0
127.5°	0.0
130°	0.0
132.5°	0.0
135°	0.0
137.5°	0.0
140°	0.0
142.5°	0.0
145°	0.0
147.5°	0.0
150°	0.0
152.5°	0.0
155°	0.0
157.5°	0.0
160°	0.0
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)