Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: E395192

Luminaire Tested: **H7-304**

Issue Date: 3/3/2020

Report Generated By E9970913 / USPTCWHP6095502

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Test Information

Test Method:	LM-41-14
Report Number:	E395192
Test Lab:	
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	HALO
Catalog Number:	H7-304
Description:	HALO RECESSED INC - H7 HOUSING, COILEX BAFFLE
Light Source:	75R30FL, 900 LUMENS
Ballast/Driver:	-

Summary

Lumens per Lamp:	900 (1 lamp)
Luminaire Lumens:	362.3 lumens
Efficiency:	40.3%
Efficacy:	4.8 lumens/watt
Spacing Criteria (0/90/45):	0.87 / 0.87 / 0.9
Luminous Opening:	(L: 0 ' x W: -0.38 ' x H: 0 '
CIE Type:	Direct

Input Watts (W):	75
Input Voltage (V):	NR
Input Current (Ain):	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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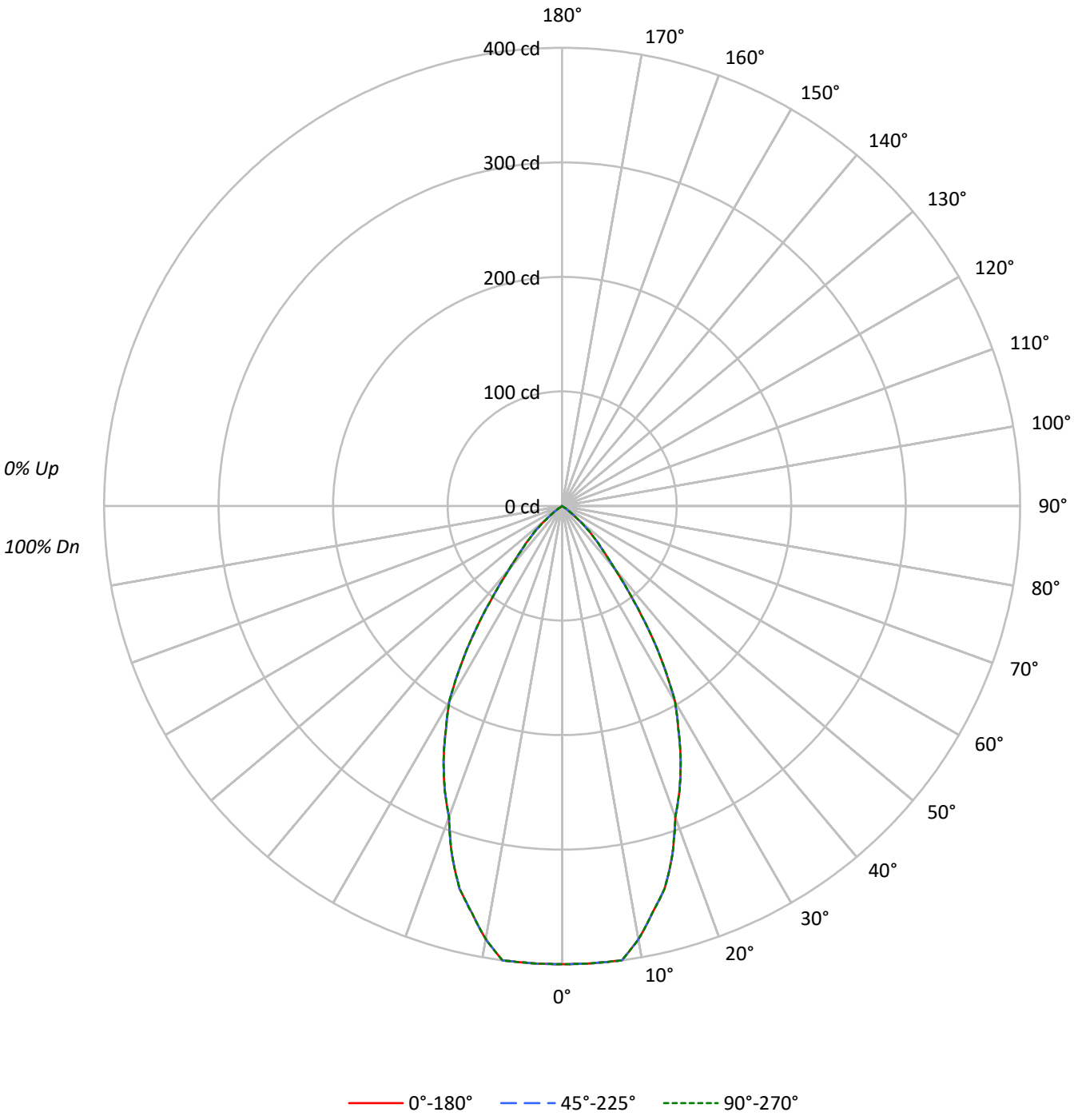
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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	48	48	48	48	47	47	47	47	45	45	45	43	43	43	41	41	41	40
1	46	45	44	43	45	44	43	42	42	41	41	41	40	39	39	39	38	38
2	43	41	40	38	42	41	39	38	39	38	37	38	37	36	37	36	36	35
3	41	39	37	35	40	38	36	35	37	35	34	36	35	34	35	34	33	32
4	39	36	34	32	38	35	33	32	35	33	31	34	32	31	33	32	31	30
5	37	34	31	29	36	33	31	29	32	31	29	32	30	29	31	30	29	28
6	35	31	29	27	34	31	29	27	30	28	27	30	28	27	29	28	27	26
7	33	29	27	25	33	29	27	25	29	27	25	28	26	25	28	26	25	24
8	32	28	25	24	31	27	25	24	27	25	23	27	25	23	26	25	23	23
9	30	26	24	22	30	26	24	22	26	23	22	25	23	22	25	23	22	21
10	29	25	22	21	28	24	22	21	24	22	21	24	22	21	24	22	20	20

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	Luminous shape not found, reference photometric report, or contact the photometric lab for calculations.		
5°			
10°			
15°			
20°			
25°			
30°			
35°			
40°			
45°			
50°			
55°			
60°			
65°			
70°			
75°			
80°			
85°			

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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	37.8	10.4	4.2
10°-20°	95.5	26.4	10.6
20°-30°	111.7	30.8	12.4
30°-40°	81.3	22.4	9.0
40°-50°	32.1	8.9	3.6
50°-60°	3.9	1.1	0.4
60°-70°	0.0	0.0	0.0
70°-80°	0.0	0.0	0.0
80°-90°	0.0	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°	245.0	67.6	27.2
0°-40°	326.4	90.1	36.3
0°-60°	362.3	100.0	40.3
0°-90°	362.3	100.0	40.3
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°	362.3	100.0	40.3

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	400	400	400	400	400	
5°	400	400	400	400	400	38
15°	346	346	346	346	346	96
25°	245	245	245	245	245	112
35°	131	131	131	131	131	81
45°	41	41	41	41	41	32
55°	0	0	0	0	0	4
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°
0°	400	400	400	400	400	400	400
2.5°	400	400	400	400	400	400	400
5°	400	400	400	400	400	400	400
7.5°	400	400	400	400	400	400	400
10°	384	384	384	384	384	384	384
12.5°	364	364	364	364	364	364	364
15°	346	346	346	346	346	346	346
17.5°	320	320	320	320	320	320	320
20°	289	289	289	289	289	289	289
22.5°	268	268	268	268	268	268	268
25°	245	245	245	245	245	245	245
27.5°	220	220	220	220	220	220	220
30°	197	197	197	197	197	197	197
32.5°	165	165	165	165	165	165	165
35°	131	131	131	131	131	131	131
37.5°	98	98	98	98	98	98	98
40°	71	71	71	71	71	71	71
42.5°	53	53	53	53	53	53	53
45°	41	41	41	41	41	41	41
47.5°	30	30	30	30	30	30	30
50°	18	18	18	18	18	18	18
52.5°	9	9	9	9	9	9	9
55°	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0
90°	0	0	0	0	0	0	0

(END OF REPORT)