

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: E395856

Luminaire Tested: **H600-1636BA**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: E395856
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H600-1636BA
Description: HALO RECESSED INC. COILEX BAFFLE, 0 DEG. TILT
Light Source: 75R30FL, 900 LUMENS
Ballast/Driver: -

Summary

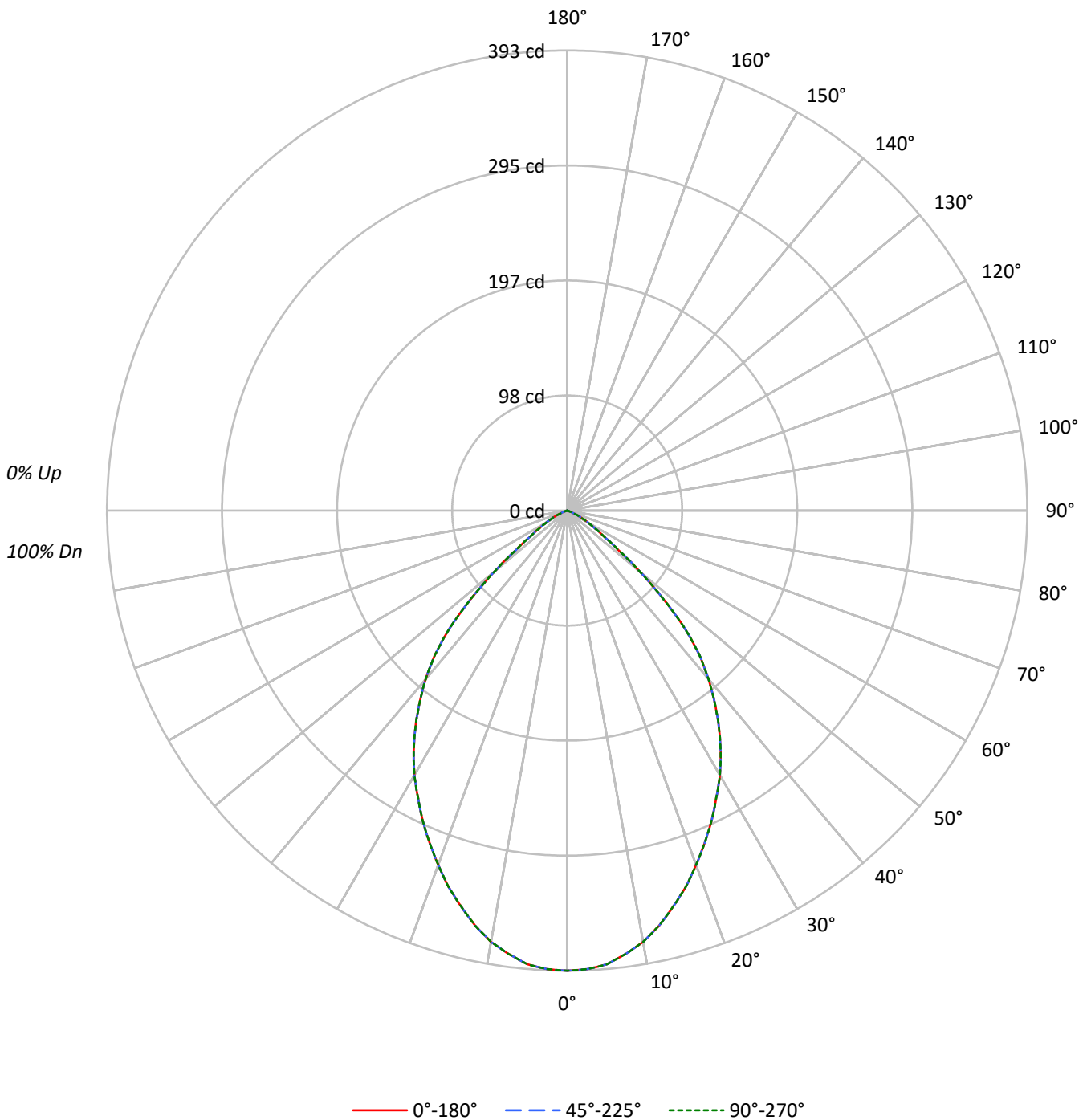
Lumens per Lamp: 900 (1 lamp)
Luminaire Lumens: 564.8 lumens
Efficiency: 62.8%
Efficacy: 7.5 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.11
Luminous Opening: (L: 0 ' x W: -0.52 ' x H: 0 '
CIE Type: Direct

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			
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	75	75	75	75	73	73	73	73	70	70	70		67	67	67		64	64	64	63
1	71	69	67	65	69	67	65	64	65	63	62		62	61	60		60	59	58	57
2	66	62	59	57	65	61	59	56	59	57	55		57	55	54		56	54	53	52
3	62	57	53	50	61	56	53	50	54	51	49		53	50	48		51	49	47	46
4	58	52	48	45	57	51	48	44	50	47	44		49	46	43		47	45	43	42
5	54	48	43	40	53	47	43	40	46	42	40		45	42	39		44	41	39	38
6	51	44	39	36	50	43	39	36	42	39	36		41	38	36		41	38	35	34
7	48	41	36	33	47	40	36	33	39	35	33		38	35	32		38	35	32	31
8	45	38	33	30	44	37	33	30	36	33	30		36	32	30		35	32	30	29
9	42	35	31	28	41	35	30	28	34	30	27		33	30	27		33	30	27	26
10	40	33	28	25	39	32	28	25	32	28	25		31	28	25		31	27	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	Luminous shape not found,		
5°	reference photometric report, or contact		
10°	the photometric lab for calculations.		
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°	36.6	6.5	4.1
10°-20°	98.3	17.4	10.9
20°-30°	134.2	23.8	14.9
30°-40°	140.7	24.9	15.6
40°-50°	106.2	18.8	11.8
50°-60°	38.1	6.7	4.2
60°-70°	10.2	1.8	1.1
70°-80°	0.5	0.1	0.1
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°	269.1	47.6	29.9
0°-40°	409.8	72.6	45.5
0°-60°	554.1	98.1	61.6
0°-90°	564.8	100.0	62.8
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°	564.8	100.0	62.8

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	393	393	393	393	393	
5°	389	389	389	389	389	37
15°	350	350	350	350	350	98
25°	292	292	292	292	292	134
35°	226	226	226	226	226	141
45°	142	142	142	142	142	106
55°	38	38	38	38	38	38
65°	10	10	10	10	10	10
75°	0	0	0	0	0	1
85°	0	0	0	0	0	0
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°	393	393	393	393	393	393	393	393	393
2.5°	392	392	392	392	392	392	392	392	392
5°	389	389	389	389	389	389	389	389	389
7.5°	382	382	382	382	382	382	382	382	382
10°	374	374	374	374	374	374	374	374	374
12.5°	363	363	363	363	363	363	363	363	363
15°	350	350	350	350	350	350	350	350	350
17.5°	337	337	337	337	337	337	337	337	337
20°	322	322	322	322	322	322	322	322	322
22.5°	307	307	307	307	307	307	307	307	307
25°	292	292	292	292	292	292	292	292	292
27.5°	276	276	276	276	276	276	276	276	276
30°	261	261	261	261	261	261	261	261	261
32.5°	244	244	244	244	244	244	244	244	244
35°	226	226	226	226	226	226	226	226	226
37.5°	207	207	207	207	207	207	207	207	207
40°	188	188	188	188	188	188	188	188	188
42.5°	167	167	167	167	167	167	167	167	167
45°	142	142	142	142	142	142	142	142	142
47.5°	111	111	111	111	111	111	111	111	111
50°	81	81	81	81	81	81	81	81	81
52.5°	55	55	55	55	55	55	55	55	55
55°	38	38	38	38	38	38	38	38	38
57.5°	28	28	28	28	28	28	28	28	28
60°	21	21	21	21	21	21	21	21	21
62.5°	15	15	15	15	15	15	15	15	15
65°	10	10	10	10	10	10	10	10	10
67.5°	5	5	5	5	5	5	5	5	5
70°	2	2	2	2	2	2	2	2	2
72.5°	1	1	1	1	1	1	1	1	1
75°	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0
90°	0	0	0	0	0	0	0	0	0

(END OF REPORT)