

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: E395848

Luminaire Tested: **H600-1636BA**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: E395848
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: 150R40FL, 1900 LUMENS
Ballast/Driver: -

Summary

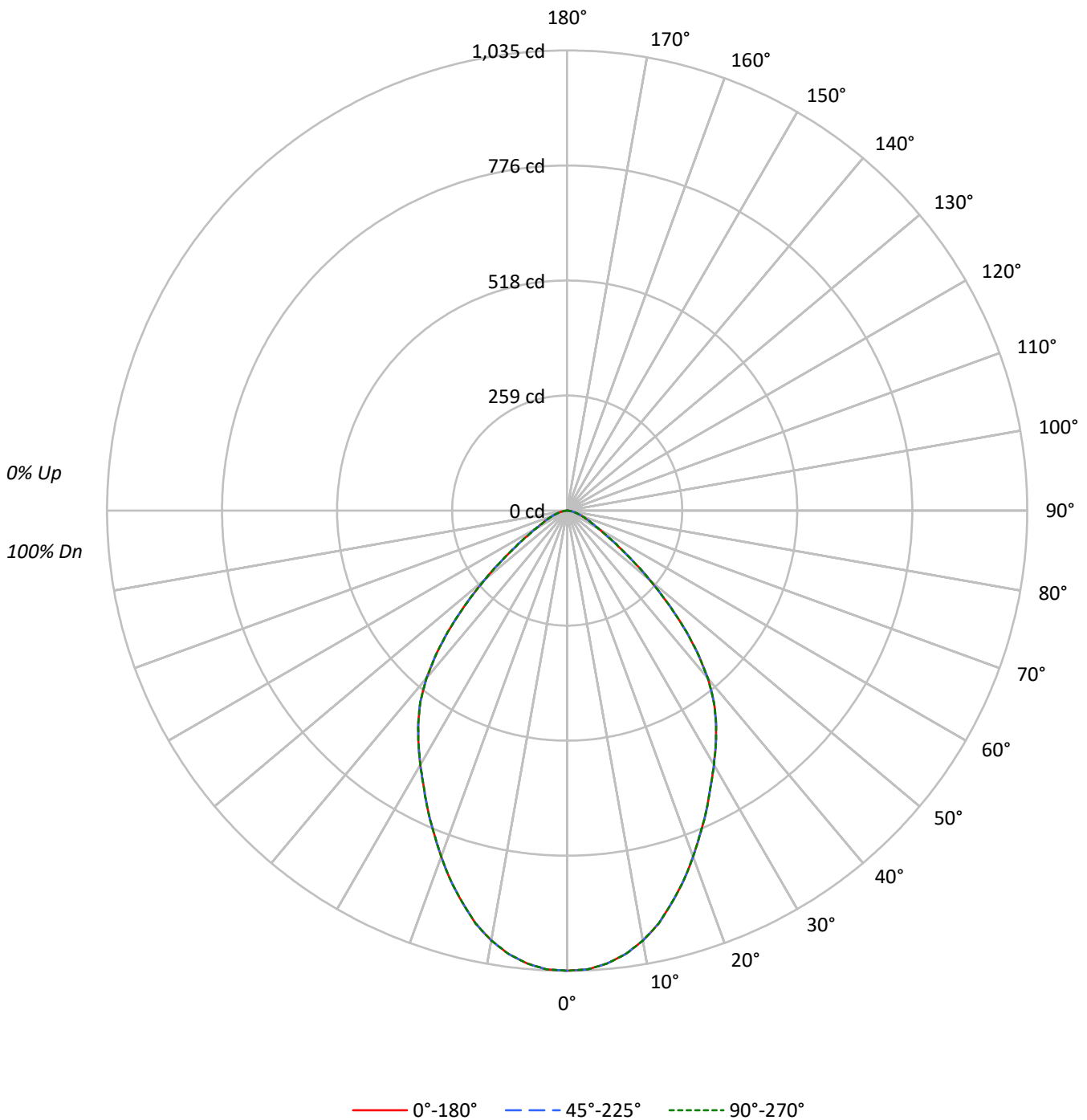
Lumens per Lamp: 1900 (1 lamp)
Luminaire Lumens: 1553.5 lumens
Efficiency: 81.8%
Efficacy: 10.4 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 1.11
Luminous Opening: (L: 0 ' x W: -0.52 ' x H: 0 '
CIE Type: Direct

Input Watts (W): 150
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	97	97	97	97	95	95	95	95	91	91	91		87	87	87		83	83	83	82
1	91	89	86	84	89	87	84	82	83	81	80		80	79	77		77	76	75	74
2	85	80	76	72	83	79	75	72	76	73	70		73	71	68		71	69	67	65
3	79	73	68	63	78	72	67	63	69	65	62		67	64	61		65	62	60	58
4	74	66	60	56	72	65	60	56	63	59	55		62	58	54		60	56	54	52
5	69	61	55	50	68	60	54	50	58	53	49		57	52	49		55	51	48	47
6	65	56	49	45	63	55	49	45	53	48	45		52	48	44		51	47	44	42
7	61	51	45	41	59	51	45	41	49	44	40		48	44	40		47	43	40	39
8	57	47	41	37	56	47	41	37	46	41	37		45	40	37		44	40	37	35
9	53	44	38	34	52	43	38	34	43	37	34		42	37	34		41	37	34	32
10	50	41	35	31	49	41	35	31	40	35	31		39	34	31		38	34	31	30

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°	96.3	6.2	5.1
10°-20°	255.7	16.5	13.5
20°-30°	341.3	22.0	18.0
30°-40°	363.0	23.4	19.1
40°-50°	282.7	18.2	14.9
50°-60°	132.0	8.5	6.9
60°-70°	54.3	3.5	2.9
70°-80°	23.4	1.5	1.2
80°-90°	4.8	0.3	0.3
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°	693.3	44.6	36.5
0°-40°	1056.3	68.0	55.6
0°-60°	1471.0	94.7	77.4
0°-90°	1553.5	100.0	81.8
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°	1553.5	100.0	81.8

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1035	1035	1035	1035	1035	
5°	1023	1023	1023	1023	1023	96
15°	912	912	912	912	912	256
25°	742	742	742	742	742	341
35°	584	584	584	584	584	363
45°	370	370	370	370	370	283
55°	141	141	141	141	141	132
65°	54	54	54	54	54	54
75°	22	22	22	22	22	23
85°	4	4	4	4	4	5
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°	1035	1035	1035	1035	1035	1035	1035	1035	1035
2.5°	1033	1033	1033	1033	1033	1033	1033	1033	1033
5°	1023	1023	1023	1023	1023	1023	1023	1023	1023
7.5°	1006	1006	1006	1006	1006	1006	1006	1006	1006
10°	982	982	982	982	982	982	982	982	982
12.5°	951	951	951	951	951	951	951	951	951
15°	912	912	912	912	912	912	912	912	912
17.5°	872	872	872	872	872	872	872	872	872
20°	828	828	828	828	828	828	828	828	828
22.5°	784	784	784	784	784	784	784	784	784
25°	742	742	742	742	742	742	742	742	742
27.5°	699	699	699	699	699	699	699	699	699
30°	660	660	660	660	660	660	660	660	660
32.5°	622	622	622	622	622	622	622	622	622
35°	584	584	584	584	584	584	584	584	584
37.5°	542	542	542	542	542	542	542	542	542
40°	492	492	492	492	492	492	492	492	492
42.5°	433	433	433	433	433	433	433	433	433
45°	370	370	370	370	370	370	370	370	370
47.5°	304	304	304	304	304	304	304	304	304
50°	242	242	242	242	242	242	242	242	242
52.5°	186	186	186	186	186	186	186	186	186
55°	141	141	141	141	141	141	141	141	141
57.5°	106	106	106	106	106	106	106	106	106
60°	81	81	81	81	81	81	81	81	81
62.5°	65	65	65	65	65	65	65	65	65
65°	54	54	54	54	54	54	54	54	54
67.5°	43	43	43	43	43	43	43	43	43
70°	35	35	35	35	35	35	35	35	35
72.5°	28	28	28	28	28	28	28	28	28
75°	22	22	22	22	22	22	22	22	22
77.5°	16	16	16	16	16	16	16	16	16
80°	11	11	11	11	11	11	11	11	11
82.5°	7	7	7	7	7	7	7	7	7
85°	4	4	4	4	4	4	4	4	4
87.5°	1	1	1	1	1	1	1	1	1
90°	0	0	0	0	0	0	0	0	0

(END OF REPORT)