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: H36027

Luminaire Tested: **H5-T 5010**

Issue Date: 3/3/2020

Report Generated By E9970913 / USPTCWHP6095502

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Test Information

Test Method:	LM-41-14
Report Number:	H36027
Test Lab:	
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	HALO
Catalog Number:	H5-T 5010
Description:	HALO 5" DIA RECESSED DOWNLIGHT BLACK BAFFLE HIGH SOCKET SETTING
Light Source:	50R30FL 50 WATTS 525 LUMENS R30 FLOOD
Ballast/Driver:	-

Summary

Lumens per Lamp:	525 (1 lamp)
Luminaire Lumens:	481.7 lumens
Efficiency:	91.8%
Efficacy:	9.6 lumens/watt
Spacing Criteria (0/90/45):	1.01 / 1.01 / 1.14
Luminous Opening:	(L: 0 ' x W: -0.38 ' x H: 0 '
CIE Type:	Direct

Input Watts (W):	50
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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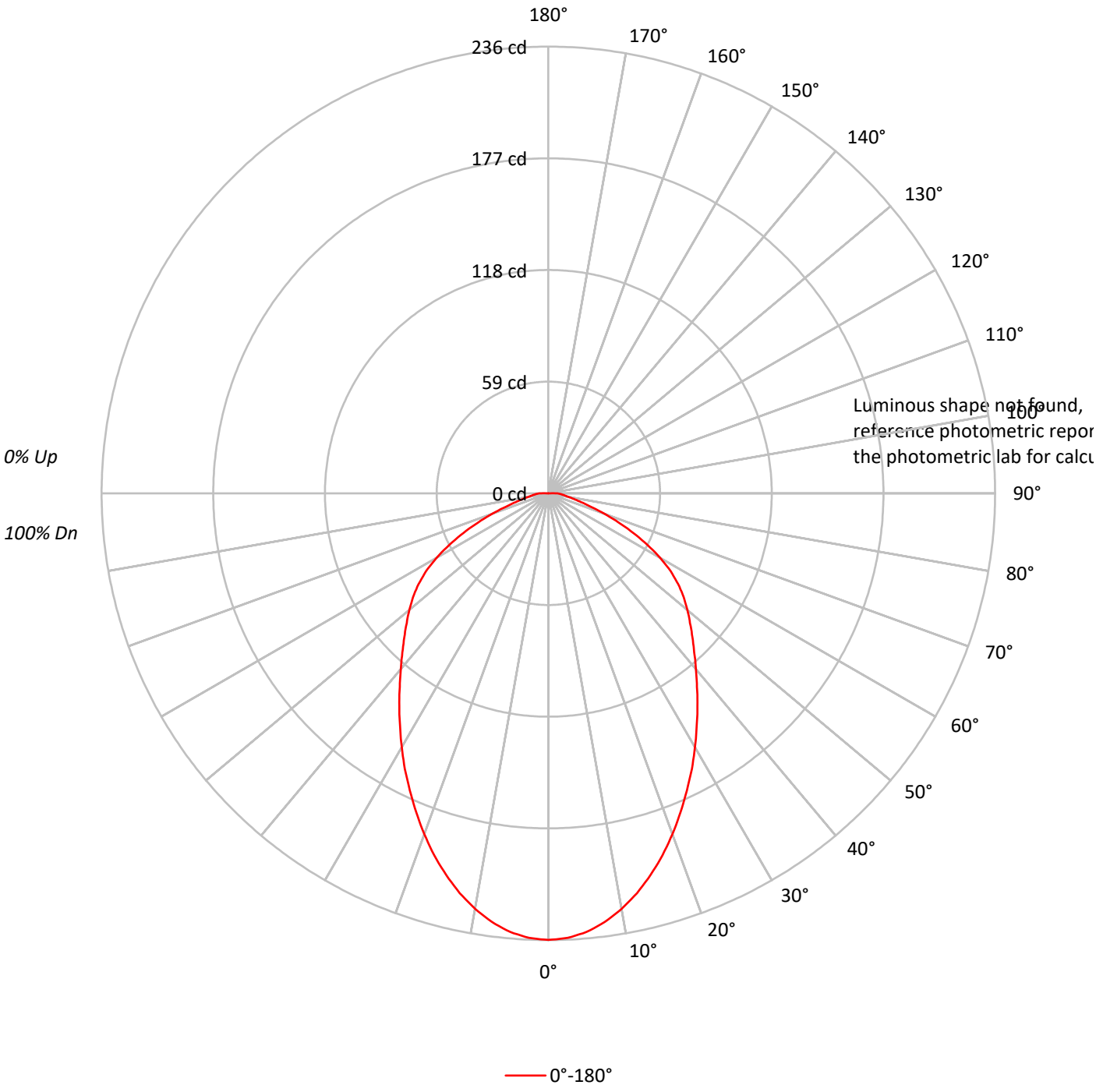
Luminous Intensity Polar Plot



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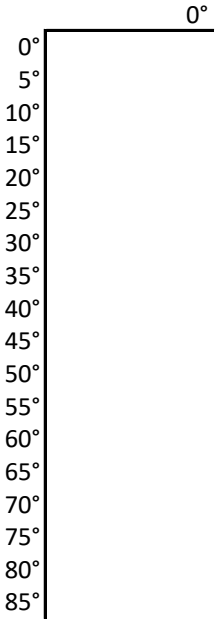
COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	109	109	109	109	107	107	107	107	102	102	102	98	98	98	94	94	94	92
1	101	97	93	90	98	94	91	88	91	88	85	87	85	83	84	82	80	78
2	92	85	79	75	90	83	78	74	80	76	72	77	74	70	75	71	69	67
3	85	76	69	63	82	74	68	62	71	66	61	69	64	60	67	63	59	57
4	78	68	60	54	76	66	59	54	64	58	53	62	57	52	60	55	52	50
5	72	61	53	47	70	60	52	47	58	51	46	56	50	46	54	49	45	44
6	67	55	47	42	65	54	47	41	53	46	41	51	45	41	50	44	40	39
7	62	50	43	37	61	49	42	37	48	42	37	47	41	36	46	40	36	34
8	58	46	39	33	57	45	38	33	44	38	33	43	37	33	42	37	33	31
9	54	42	35	30	53	42	35	30	41	35	30	40	34	30	39	34	30	28
10	51	39	32	28	50	39	32	28	38	32	28	37	31	27	36	31	27	26

AVERAGE LUMINANCE (cd/sqm):



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	21.9	4.5	4.2
10°-20°	58.6	12.2	11.2
20°-30°	79.7	16.5	15.2
30°-40°	86.0	17.8	16.4
40°-50°	83.3	17.3	15.9
50°-60°	74.3	15.4	14.2
60°-70°	49.0	10.2	9.3
70°-80°	20.1	4.2	3.8
80°-90°	8.2	1.7	1.6
90°-100°	0.6	0.1	0.1
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°	160.1	33.2	30.5
0°-40°	246.1	51.1	46.9
0°-60°	403.8	83.8	76.9
0°-90°	481.1	99.9	91.6
90°-120°	0.6	0.1	0.1
90°-150°	0.6	0.1	0.1
90°-180°	1.0	0.2	0.2
0°-180°	481.7	100.0	91.8

CANDELA DISTRIBUTION:

	0°	Flux
0°	236	
5°	233	22
15°	209	59
25°	173	80
35°	137	86
45°	108	83
55°	84	74
65°	50	49
75°	18	20
85°	7	7
90°	5	2
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°	235.9
2.5°	235.1
5°	232.6
7.5°	228.4
10°	222.9
12.5°	216.3
15°	208.7
17.5°	200.5
20°	191.6
22.5°	182.4
25°	173.1
27.5°	164.1
30°	154.9
32.5°	145.8
35°	137.3
37.5°	128.9
40°	121.3
42.5°	114.1
45°	107.6
47.5°	101.5
50°	95.9
52.5°	90.1
55°	83.7
57.5°	76.6
60°	68.2
62.5°	59.0
65°	49.5
67.5°	40.2
70°	31.3
72.5°	23.6
75°	17.8
77.5°	13.7
80°	10.8
82.5°	8.8
85°	7.4
87.5°	6.2
90°	4.7
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)