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: H36037

Luminaire Tested: **H5T 5020BL**

Issue Date: 3/3/2020

Report Generated By E9970913 / USPTCWHP6095502

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Test Information

Test Method:	LM-41-14
Report Number:	H36037
Test Lab:	
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	HALO
Catalog Number:	H5T 5020BL
Description:	HALO 5" DIA RECESSED DOWNLIGHT SPECULAR BLACK REFLECTOR HIGH SOCKET SETTING
Light Source:	75R30FL 75 WATTS 900 LUMENS R30 FLOOD
Ballast/Driver:	-

Summary

Lumens per Lamp:	900 (1 lamp)
Luminaire Lumens:	557.8 lumens
Efficiency:	62.0%
Efficacy:	7.4 lumens/watt
Spacing Criteria (0/90/45):	0.96 / 0.96 / 1.06
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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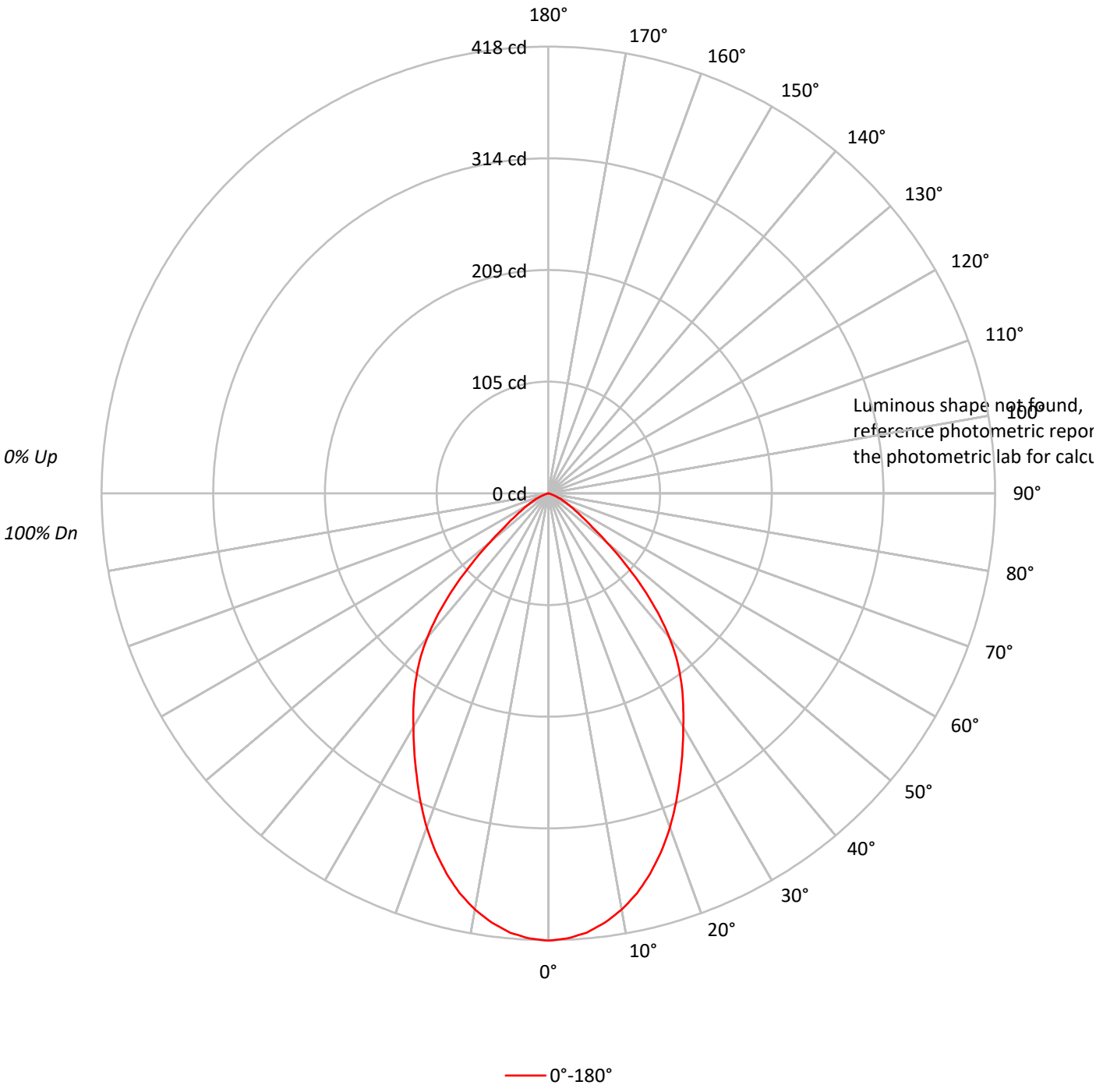
Luminous Intensity Polar Plot



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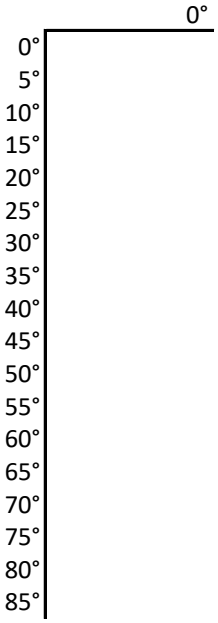
COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	74	74	74	74	72	72	72	72	69	69	69	66	66	66	63	63	63	62
1	70	68	66	64	68	66	65	63	64	62	61	61	60	59	59	58	58	57
2	65	62	59	56	64	61	58	56	59	56	54	57	55	53	55	53	52	51
3	61	56	53	50	60	56	52	49	54	51	49	52	50	48	51	49	47	46
4	57	52	48	44	56	51	47	44	49	46	44	48	45	43	47	45	43	41
5	54	47	43	40	53	47	43	40	46	42	39	45	41	39	44	41	39	38
6	50	44	39	36	49	43	39	36	42	39	36	41	38	36	40	38	35	34
7	47	40	36	33	46	40	36	33	39	35	33	38	35	32	38	35	32	31
8	44	38	33	30	44	37	33	30	36	33	30	36	32	30	35	32	30	29
9	42	35	31	28	41	35	31	28	34	30	28	33	30	28	33	30	27	26
10	40	33	28	26	39	32	28	26	32	28	26	31	28	25	31	28	25	24

AVERAGE LUMINANCE (cd/sqm):



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	38.8	7.0	4.3
10°-20°	103.0	18.5	11.4
20°-30°	134.1	24.0	14.9
30°-40°	134.8	24.2	15.0
40°-50°	95.2	17.1	10.6
50°-60°	37.1	6.7	4.1
60°-70°	13.1	2.4	1.5
70°-80°	1.6	0.3	0.2
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°	275.9	49.5	30.7
0°-40°	410.8	73.6	45.6
0°-60°	543.1	97.4	60.3
0°-90°	557.8	100.0	62.0
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°	557.8	100.0	62.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	418	
5°	412	39
15°	368	103
25°	292	134
35°	217	135
45°	125	95
55°	38	37
65°	13	13
75°	1	2
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°	418.5
2.5°	416.8
5°	412.5
7.5°	405.2
10°	395.4
12.5°	383.2
15°	368.2
17.5°	351.3
20°	332.6
22.5°	312.4
25°	291.5
27.5°	271.6
30°	252.5
32.5°	234.7
35°	217.1
37.5°	198.1
40°	176.4
42.5°	151.7
45°	125.0
47.5°	96.7
50°	71.8
52.5°	52.0
55°	38.4
57.5°	29.5
60°	23.0
62.5°	17.5
65°	12.9
67.5°	8.8
70°	5.3
72.5°	2.6
75°	0.8
77.5°	0.2
80°	0.0
82.5°	0.0
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)