

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: HALO COMMERCIAL

Report Number: P253064

Luminaire Tested: **PRS615D010-S6M12-61SWDH-3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P253064
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1805-776-1)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PRS615D010-S6M12-61SWDH-3000K
Description: HALO COMMERCIAL 6" SQUARE, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, DEEP TRIM HAZE
Light Source: ARRAYS OF HIGH LUMEN LEDS 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1185.5 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

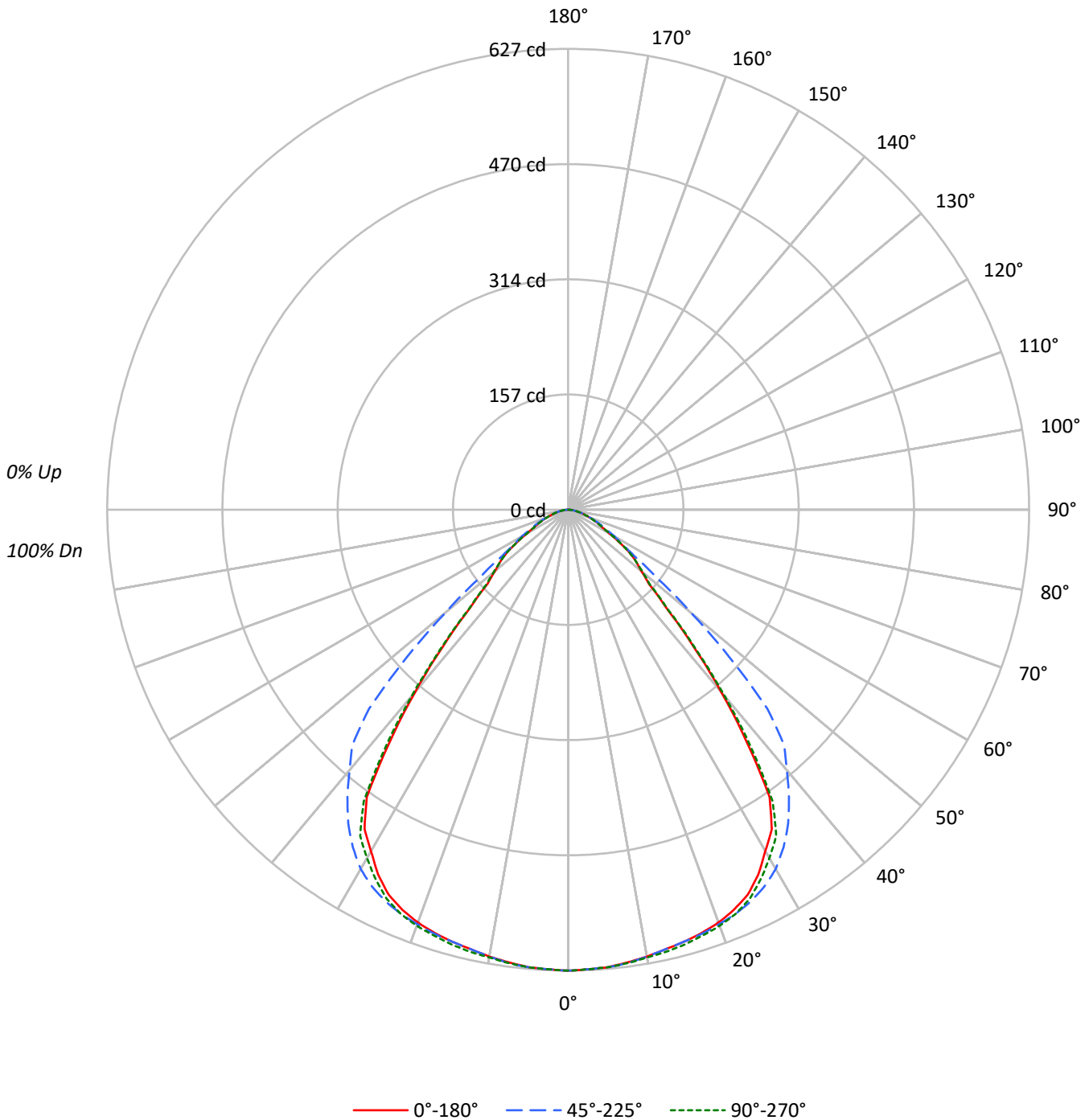
Input Watts (W): 12.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	112	108	105	102	109	106	103	100	102	99	97		98	96	94		94	93	91	89
2	104	97	92	88	101	96	91	87	92	88	85		89	86	83		86	84	81	79
3	97	88	82	76	94	87	81	76	84	79	75		81	77	73		79	75	72	70
4	90	80	73	67	88	79	72	67	77	71	66		74	69	65		72	68	65	63
5	84	73	66	60	82	72	65	60	70	64	59		68	63	59		66	62	58	56
6	78	67	59	54	76	66	59	54	64	58	53		63	57	53		61	56	52	51
7	73	61	54	49	71	61	53	48	59	53	48		58	52	48		57	51	47	46
8	68	57	49	44	67	56	49	44	55	48	44		54	48	43		52	47	43	42
9	64	52	45	40	63	52	45	40	51	44	40		50	44	40		49	43	40	38
10	60	49	42	37	59	48	41	37	47	41	37		46	41	37		46	40	36	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	27000	27000	27000
5°	27000	27000	27000
10°	26988	26988	27041
15°	27132	27132	27297
20°	27386	27496	27610
25°	27459	27924	27753
30°	26663	28065	27210
35°	25093	27416	25482
40°	18210	26006	18626
45°	11435	23315	11654
50°	8714	14629	8875
55°	7649	8197	7649
60°	5597	6234	5597
65°	4625	5002	4625
70°	3865	4016	3865
75°	3261	3261	3261
80°	2727	2727	2727
85°	2421	2421	2421



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.4	5.0
10°-20°	172.5	14.6
20°-30°	268.4	22.6
30°-40°	306.8	25.9
40°-50°	205.2	17.3
50°-60°	98.2	8.3
60°-70°	47.9	4.0
70°-80°	21.5	1.8
80°-90°	5.5	0.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	500.4	42.2
0°-40°	807.1	68.1
0°-60°	1110.6	93.7
0°-90°	1185.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1185.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	627	627	627	627	627	
5°	625	625	625	625	625	59
15°	609	609	609	611	612	172
25°	578	582	588	587	584	265
35°	477	504	522	512	485	284
45°	188	242	383	245	191	156
55°	102	109	109	110	102	89
65°	45	47	49	47	45	45
75°	20	20	20	20	20	21
85°	5	5	5	5	5	6
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	627.1	627.1	627.1	627.1	627.1
2.5°	625.9	625.9	625.9	625.9	625.9
5°	624.7	624.7	624.7	624.7	624.7
7.5°	621.0	621.0	622.2	621.0	622.2
10°	617.3	617.3	617.3	618.5	618.5
12.5°	612.4	612.4	612.4	614.8	616.1
15°	608.7	608.7	608.7	611.2	612.4
17.5°	603.8	603.8	605.0	607.5	607.5
20°	597.7	598.9	600.1	602.6	602.6
22.5°	589.1	591.5	595.2	596.4	595.2
25°	578.0	581.7	587.8	586.6	584.2
27.5°	559.6	568.2	578.0	573.1	567.0
30°	536.3	549.8	564.5	554.7	547.3
32.5°	515.4	526.5	544.9	533.8	526.5
35°	477.4	504.4	521.6	511.8	484.8
37.5°	400.1	460.2	493.3	467.6	409.9
40°	324.0	387.8	462.7	392.7	331.4
42.5°	251.6	312.9	434.4	317.9	256.5
45°	187.8	241.8	382.9	245.4	191.4
47.5°	148.5	179.2	298.2	182.9	151.0
50°	130.1	142.4	218.4	144.8	132.5
52.5°	116.6	124.0	152.2	125.2	116.6
55°	101.9	109.2	109.2	110.5	101.9
57.5°	82.2	93.3	85.9	93.3	83.5
60°	65.0	73.6	72.4	73.6	65.0
62.5°	52.8	57.7	58.9	57.7	52.8
65°	45.4	46.6	49.1	46.6	45.4
67.5°	38.0	39.3	39.3	39.3	36.8
70°	30.7	31.9	31.9	31.9	30.7
72.5°	24.5	25.8	25.8	25.8	24.5
75°	19.6	19.6	19.6	19.6	19.6
77.5°	14.7	16.0	14.7	16.0	14.7
80°	11.0	11.0	11.0	11.0	11.0
82.5°	7.4	7.4	7.4	7.4	7.4
85°	4.9	4.9	4.9	4.9	4.9
87.5°	2.5	2.5	2.5	2.5	2.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)