

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: P237964

Luminaire Tested: **PRS615D010-S6M12-64SMDMB-3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P237964
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1802-584-2)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PRS615D010-S6M12-64SMDMB-3000K
Description: HALO COMMERCIAL 6" SQUARE, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, SHALLOW TRIM MATTE BLACK
Light Source: ARRAYS OF HIGH LUMEN LEDS 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1357.5 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.94 / 1
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

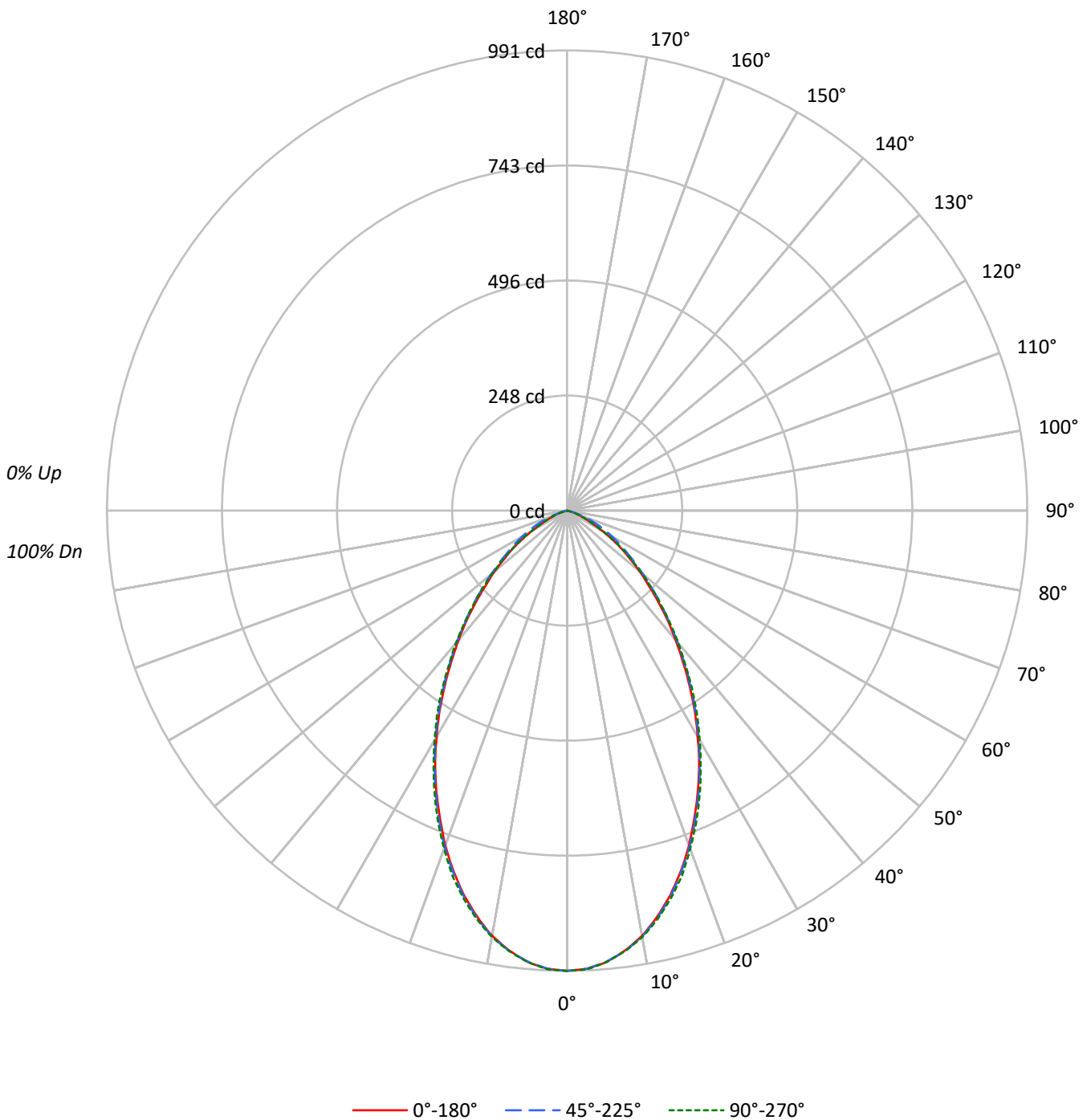
Input Watts (W): 12.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	112	109	105	103	109	106	104	101	102	100	98	98	97	95	95	94	92	90					90			
2	105	98	93	89	102	97	92	88	93	89	86	90	87	84	87	85	82	80					80			
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	72					72			
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64					64			
5	85	74	67	62	83	73	67	62	71	66	61	70	64	60	68	63	60	58					58			
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53					53			
7	74	63	56	51	73	62	55	51	61	55	50	60	54	50	58	53	50	48					48			
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	54	49	46	44					44			
9	66	54	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40					40			
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37					37			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	42681	42681	42681
5°	42183	42127	42183
10°	40664	40721	40773
15°	38223	38334	38503
20°	35143	35317	35496
25°	31658	31839	32081
30°	27936	28189	28378
35°	24110	24378	24646
40°	20408	20768	20908
45°	16836	17378	17299
50°	13658	14334	13999
55°	10712	11665	10997
60°	7457	9653	7681
65°	4798	7396	4798
70°	3210	4330	3210
75°	1264	1913	1264
80°	0	0	0
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.7	6.8
10°-20°	240.5	17.7
20°-30°	306.9	22.6
30°-40°	290.1	21.4
40°-50°	220.3	16.2
50°-60°	136.1	10.0
60°-70°	59.4	4.4
70°-80°	12.4	0.9
80°-90°	0.0	0.0
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°	639.2	47.1
0°-40°	929.3	68.5
0°-60°	1285.7	94.7
0°-90°	1357.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1357.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	991	991	991	991	991	
5°	976	976	975	976	976	92
15°	858	858	860	863	864	240
25°	666	666	670	673	675	305
35°	459	462	464	468	469	287
45°	276	284	285	289	284	215
55°	143	152	155	154	146	127
65°	47	55	73	56	47	49
75°	8	12	12	12	8	10
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°
0°	991.3	991.3	991.3	991.3	991.3
2.5°	987.4	987.4	987.4	987.4	988.7
5°	976.0	976.0	974.7	976.0	976.0
7.5°	955.6	956.9	956.9	956.9	956.9
10°	930.1	930.1	931.4	932.6	932.6
12.5°	895.7	897.0	898.2	900.8	900.8
15°	857.5	857.5	860.0	862.6	863.8
17.5°	814.2	814.2	816.7	819.2	823.1
20°	767.0	767.0	770.8	774.7	774.7
22.5°	716.0	716.0	721.1	722.4	726.2
25°	666.4	666.4	670.2	672.7	675.3
27.5°	615.4	614.1	617.9	620.5	623.0
30°	561.9	561.9	567.0	567.0	570.8
32.5°	510.9	510.9	514.7	517.3	521.1
35°	458.7	462.5	463.8	467.6	468.9
37.5°	409.0	415.4	415.4	420.5	417.9
40°	363.1	366.9	369.5	372.0	372.0
42.5°	319.8	324.9	324.9	328.7	327.4
45°	276.5	284.1	285.4	289.2	284.1
47.5°	237.0	245.9	247.2	249.7	247.2
50°	203.9	210.2	214.0	214.0	209.0
52.5°	170.7	178.4	182.2	182.2	175.8
55°	142.7	151.6	155.4	154.2	146.5
57.5°	113.4	123.6	132.5	127.4	117.2
60°	86.6	99.4	112.1	101.9	89.2
62.5°	62.4	75.2	91.7	75.2	65.0
65°	47.1	54.8	72.6	56.1	47.1
67.5°	34.4	39.5	53.5	40.8	34.4
70°	25.5	29.3	34.4	29.3	25.5
72.5°	16.6	20.4	20.4	20.4	16.6
75°	7.6	11.5	11.5	11.5	7.6
77.5°	0.0	2.5	5.1	2.5	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)