

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: P238099

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P238099
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1802-584-11)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PRS615D010-S6M12-64SMDC-3000K
Description: HALO COMMERCIAL 6" SQUARE, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, SHALLOW TRIM SPECULAR
Light Source: ARRAYS OF HIGH LUMEN LEDS 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1425.1 lumens
Efficiency: N/A
Efficacy: 113.1 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 1.03
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

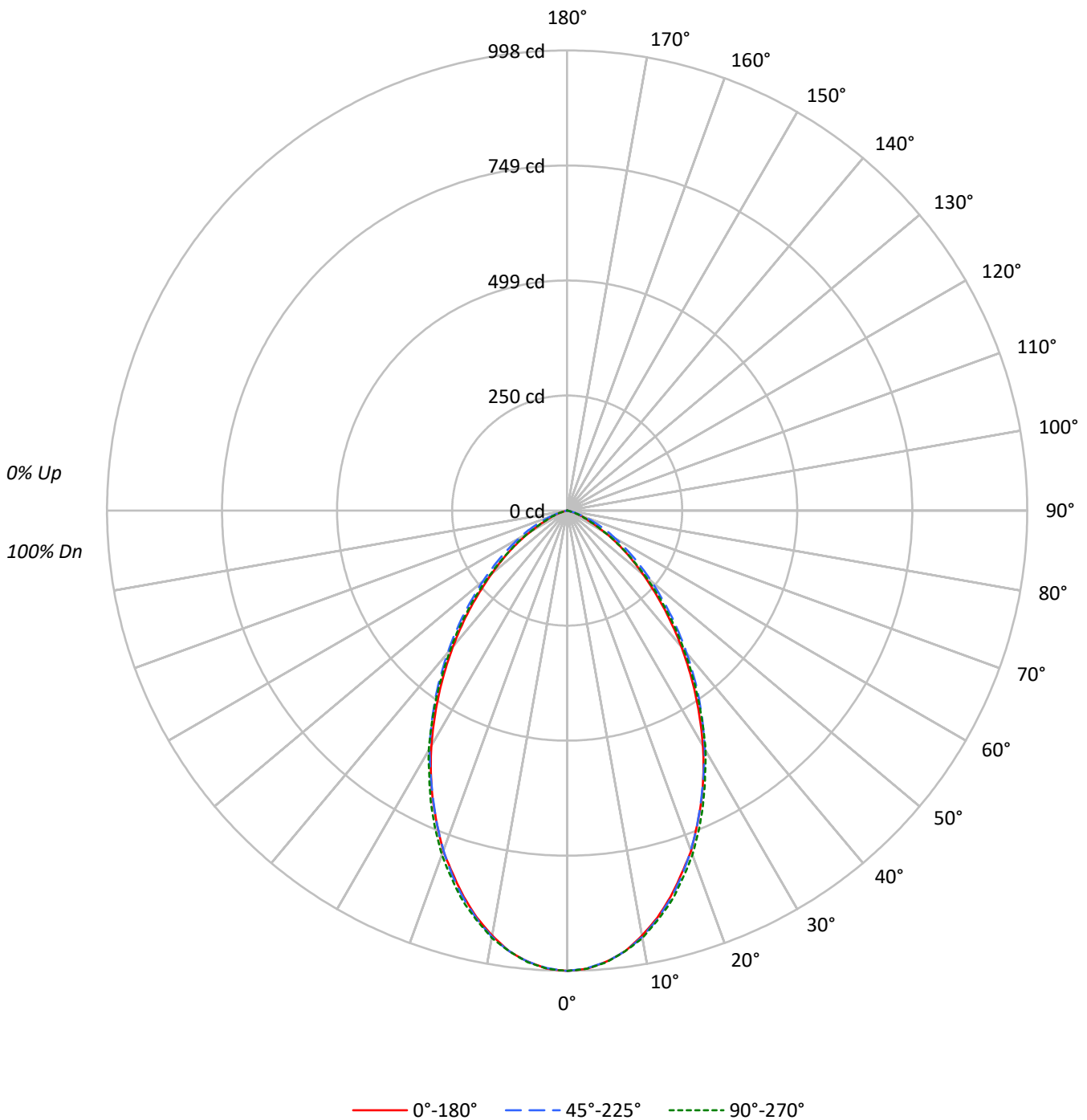
Input Watts (W): 12.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	105	103	109	106	103	101	102	100	98	98	96	95	95	93	92	90					90			
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80					80			
3	97	89	83	78	95	87	82	77	85	80	76	82	78	74	80	76	73	71					71			
4	91	81	74	69	89	80	73	68	77	72	67	75	70	66	73	69	66	64					64			
5	84	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57					57			
6	79	68	60	55	77	67	60	55	65	59	54	64	58	54	62	57	54	52					52			
7	74	63	55	50	72	62	55	50	60	54	50	59	53	49	58	53	49	47					47			
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	43					43			
9	66	54	47	42	64	53	46	42	52	46	42	51	46	41	50	45	41	40					40			
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37					37			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	42987	42987	42987
5°	42438	42438	42490
10°	40922	41031	41145
15°	38651	38766	39047
20°	35991	35931	36399
25°	32775	32713	33198
30°	29288	29671	29860
35°	25471	26207	25939
40°	21645	22645	22145
45°	17938	19180	18401
50°	14348	15975	14776
55°	11297	13114	11485
60°	8017	10325	8129
65°	5196	7794	5328
70°	3537	4821	3537
75°	1697	2129	1697
80°	0	322	0
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.4	6.5
10°-20°	243.7	17.1
20°-30°	317.2	22.3
30°-40°	307.7	21.6
40°-50°	237.8	16.7
50°-60°	147.1	10.3
60°-70°	64.9	4.6
70°-80°	14.3	1.0
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°	653.3	45.8
0°-40°	961.0	67.4
0°-60°	1345.9	94.4
0°-90°	1425.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1425.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	998	998	998	998	998	
5°	982	983	982	983	983	92
15°	867	868	870	875	876	243
25°	690	689	689	695	699	316
35°	485	490	499	495	494	302
45°	295	306	315	311	302	227
55°	150	162	175	164	153	135
65°	51	61	76	61	52	54
75°	10	13	13	13	10	12
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°	998.4	998.4	998.4	998.4	998.4
2.5°	994.6	994.6	993.3	994.6	994.6
5°	981.9	983.1	981.9	983.1	983.1
7.5°	964.0	964.0	964.0	965.3	964.0
10°	936.0	937.2	938.5	939.8	941.1
12.5°	904.1	905.4	906.6	909.2	909.2
15°	867.1	868.4	869.7	874.8	876.0
17.5°	825.0	826.3	828.8	833.9	835.2
20°	785.5	781.7	784.2	788.0	794.4
22.5°	737.0	737.0	737.0	742.1	747.2
25°	689.9	688.6	688.6	695.0	698.8
27.5°	640.1	640.1	641.4	645.2	647.8
30°	589.1	589.1	596.8	595.5	600.6
32.5°	535.6	539.4	547.0	544.5	545.8
35°	484.6	489.7	498.6	494.8	493.5
37.5°	433.6	439.9	450.1	446.3	442.5
40°	385.1	394.0	402.9	397.8	394.0
42.5°	337.9	348.1	358.3	353.2	348.1
45°	294.6	306.0	315.0	311.1	302.2
47.5°	251.2	265.2	274.2	270.3	261.4
50°	214.2	228.3	238.5	232.1	220.6
52.5°	181.1	193.8	204.0	196.4	184.9
55°	150.5	161.9	174.7	164.5	153.0
57.5°	121.1	133.9	145.4	136.4	123.7
60°	93.1	107.1	119.9	109.7	94.4
62.5°	68.9	82.9	98.2	84.2	70.1
65°	51.0	61.2	76.5	61.2	52.3
67.5°	38.3	44.6	57.4	45.9	38.3
70°	28.1	33.2	38.3	33.2	28.1
72.5°	19.1	23.0	23.0	23.0	19.1
75°	10.2	12.8	12.8	12.8	10.2
77.5°	1.3	3.8	5.1	3.8	1.3
80°	0.0	0.0	1.3	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)