

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: P237994

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P237994
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1802-584-4)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PRS615D010-S6M12-64SNDMW-3000K
Description: HALO COMMERCIAL 6" SQUARE, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, SHALLOW TRIM MATTE WHITE
Light Source: ARRAYS OF HIGH LUMEN LEDS 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1462.0 lumens
Efficiency: N/A
Efficacy: 116.0 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.83 / 0.85
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

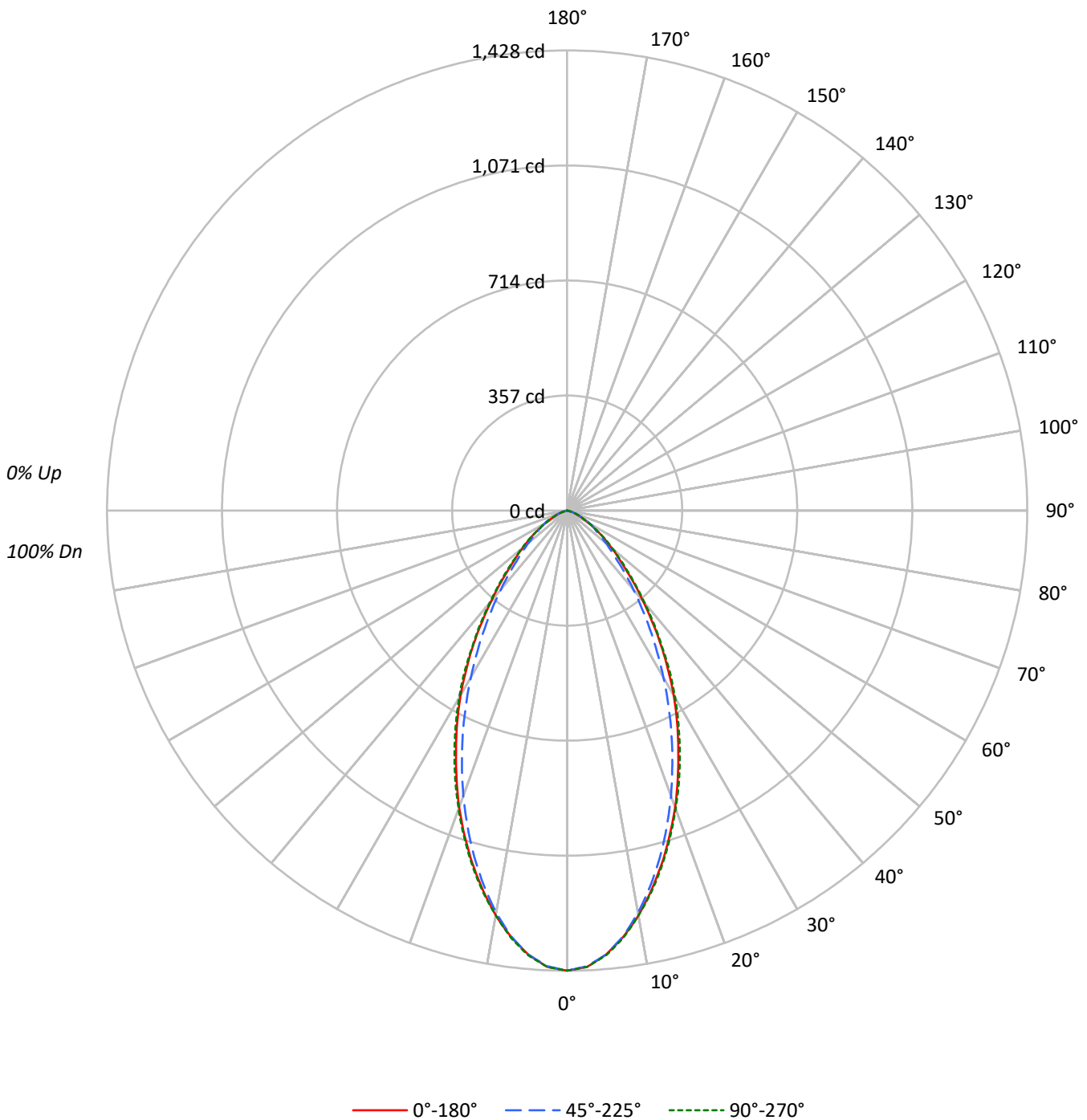
Input Watts (W): 12.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	75
4	93	84	77	72	91	83	77	72	81	75	71	78	74	70	76	73	69	68
5	87	77	71	66	85	76	70	65	75	69	65	73	68	64	71	67	64	62
6	82	72	65	60	81	71	64	60	69	64	59	68	63	59	66	62	58	57
7	77	67	60	55	76	66	60	55	65	59	55	63	58	54	62	58	54	52
8	73	62	56	51	72	62	55	51	61	55	50	59	54	50	58	54	50	48
9	69	58	52	47	68	58	51	47	57	51	47	56	51	47	55	50	47	45
10	66	55	48	44	65	54	48	44	54	48	44	53	47	44	52	47	44	42

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	61466	61466	61466
5°	59773	59773	59881
10°	55782	55393	55782
15°	50565	49598	50793
20°	44912	43157	45145
25°	38756	36390	39298
30°	32828	29720	33335
35°	26596	23448	26864
40°	20560	17980	20993
45°	15521	13505	16063
50°	12037	10503	12378
55°	9188	8325	9376
60°	6699	7027	6699
65°	4809	5450	4676
70°	3374	3852	3374
75°	1913	2113	1913
80°	620	620	620
85°	642	642	642



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.5	8.8
10°-20°	313.5	21.4
20°-30°	362.4	24.8
30°-40°	297.3	20.3
40°-50°	187.9	12.9
50°-60°	106.7	7.3
60°-70°	50.6	3.5
70°-80°	14.1	1.0
80°-90°	1.0	0.1
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°	804.4	55.0
0°-40°	1101.6	75.4
0°-60°	1396.2	95.5
0°-90°	1462.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1462.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1428	1428	1428	1428	1428	
5°	1383	1383	1383	1387	1386	129
15°	1134	1126	1113	1128	1140	317
25°	816	786	766	793	827	374
35°	506	469	446	477	511	316
45°	255	234	222	238	264	201
55°	122	117	111	120	125	111
65°	47	50	54	50	46	48
75°	12	13	13	13	12	13
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1427.6	1427.6	1427.6	1427.6	1427.6
2.5°	1417.4	1416.1	1414.8	1416.1	1417.4
5°	1383.0	1383.0	1383.0	1386.8	1385.5
7.5°	1334.5	1333.3	1332.0	1335.8	1337.1
10°	1275.9	1270.8	1267.0	1273.3	1275.9
12.5°	1207.1	1200.7	1193.0	1202.0	1210.9
15°	1134.4	1125.5	1112.7	1128.0	1139.5
17.5°	1057.9	1041.4	1028.6	1045.2	1063.0
20°	980.2	959.8	941.9	959.8	985.3
22.5°	897.3	870.6	852.7	875.7	907.5
25°	815.8	786.4	766.0	792.8	827.2
27.5°	738.0	702.3	679.4	710.0	748.2
30°	660.3	622.0	597.8	628.4	670.5
32.5°	581.2	544.3	518.8	551.9	592.7
35°	506.0	469.1	446.1	476.7	511.1
37.5°	432.1	397.7	379.8	404.1	442.3
40°	365.8	335.2	319.9	341.6	373.5
42.5°	308.5	280.4	267.7	285.5	316.1
45°	254.9	234.5	221.8	238.4	263.8
47.5°	214.1	196.3	186.1	200.1	220.5
50°	179.7	165.7	156.8	168.3	184.8
52.5°	150.4	138.9	131.3	141.5	154.2
55°	122.4	117.3	110.9	119.8	124.9
57.5°	96.9	95.6	95.6	96.9	98.1
60°	77.8	77.8	81.6	79.0	77.8
62.5°	59.9	62.5	68.8	62.5	59.9
65°	47.2	49.7	53.5	49.7	45.9
67.5°	35.7	38.2	40.8	38.2	34.4
70°	26.8	29.3	30.6	29.3	26.8
72.5°	19.1	20.4	20.4	20.4	17.8
75°	11.5	12.7	12.7	12.7	11.5
77.5°	3.8	6.4	6.4	6.4	3.8
80°	2.5	2.5	2.5	2.5	2.5
82.5°	1.3	1.3	1.3	1.3	1.3
85°	1.3	1.3	1.3	1.3	1.3
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)