

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: P253024

Luminaire Tested: **PRS615D010-S6M12-64SWDMW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P253024
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1804-748-1)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PRS615D010-S6M12-64SWDMW
Description: HALO COMMERCIAL 6" SQUARE, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, SHALLOW TRIM MATTE WHITE
Light Source: ARRAYS OF HIGH LUMEN LEDS 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1414.0 lumens
Efficiency: N/A
Efficacy: 112.2 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.32 / 1.41
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

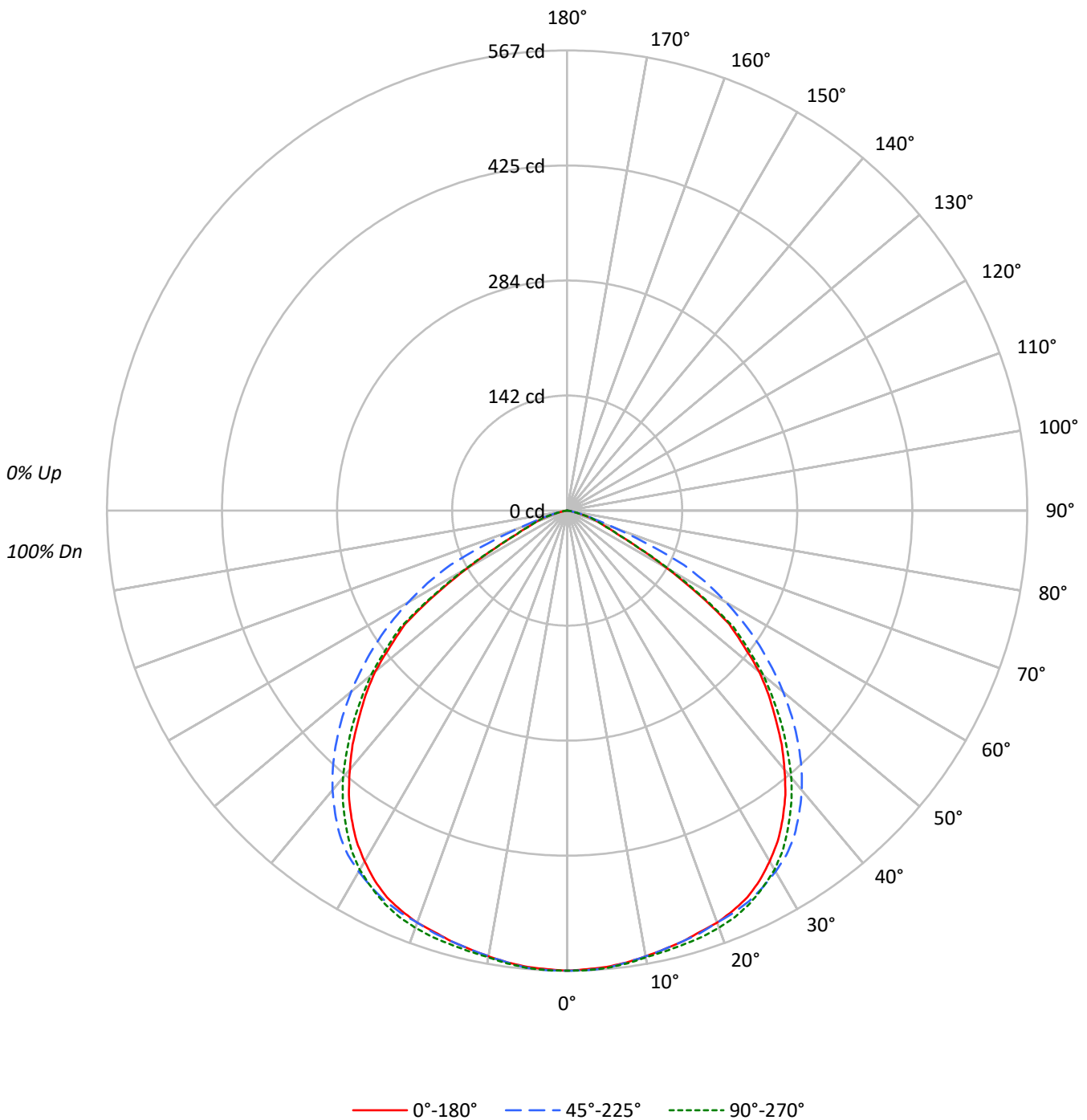
Input Watts (W): 12.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90					88				
2	102	95	89	84	100	93	88	83	90	85	81	86	83	79	84	80	78					76				
3	94	84	77	72	91	83	76	71	80	74	70	77	73	68	75	71	67					65				
4	86	76	68	61	84	74	67	61	72	65	60	70	64	59	67	63	59					57				
5	80	68	60	53	78	67	59	53	65	58	53	63	57	52	61	56	52					50				
6	74	61	53	47	72	60	52	47	59	52	46	57	51	46	55	50	46					44				
7	68	56	47	42	67	55	47	41	53	46	41	52	46	41	51	45	41					39				
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	47	41	36					35				
9	60	47	39	34	58	46	39	33	45	38	33	44	38	33	43	37	33					31				
10	56	43	35	30	55	43	35	30	42	35	30	41	34	30	40	34	30					28				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	24408	24408	24408
5°	24389	24445	24445
10°	24378	24378	24439
15°	24498	24498	24676
20°	24756	24756	25063
25°	24974	25226	25354
30°	24813	25539	25405
35°	24341	25671	24972
40°	23415	25281	24163
45°	22121	24472	22773
50°	20684	23270	21126
55°	18278	21679	18781
60°	12262	19478	12607
65°	6918	16138	6918
70°	5199	7868	5023
75°	3094	3543	3327
80°	1314	1661	1314
85°	642	642	642



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.7	3.8
10°-20°	155.8	11.0
20°-30°	244.1	17.3
30°-40°	298.2	21.1
40°-50°	296.5	21.0
50°-60°	234.1	16.6
60°-70°	104.8	7.4
70°-80°	24.4	1.7
80°-90°	2.5	0.2
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°	453.6	32.1
0°-40°	751.8	53.2
0°-60°	1282.3	90.7
0°-90°	1414.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1414.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	567	567	567	567	567	
5°	564	564	566	566	566	54
15°	550	548	550	551	554	155
25°	526	527	531	532	534	242
35°	463	472	488	482	475	289
45°	363	381	402	390	374	280
55°	244	262	289	268	250	208
65°	68	89	158	90	68	76
75°	19	23	21	23	20	21
85°	1	1	1	1	1	3
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	566.9	566.9	566.9	566.9	566.9
2.5°	565.6	566.9	566.9	566.9	566.9
5°	564.3	564.3	565.6	565.6	565.6
7.5°	561.6	561.6	561.6	562.9	562.9
10°	557.6	557.6	557.6	559.0	559.0
12.5°	553.6	553.6	553.6	555.0	556.3
15°	549.6	548.3	549.6	551.0	553.6
17.5°	544.3	545.6	545.6	548.3	551.0
20°	540.3	540.3	540.3	544.3	547.0
22.5°	533.7	533.7	536.3	539.0	541.7
25°	525.7	527.0	531.0	532.3	533.7
27.5°	513.7	517.7	523.0	524.4	523.0
30°	499.1	504.4	513.7	512.4	511.0
32.5°	483.1	489.8	503.1	499.1	495.1
35°	463.1	472.5	488.4	481.8	475.1
37.5°	441.8	453.8	469.8	463.1	453.8
40°	416.6	431.2	449.8	440.5	429.9
42.5°	391.3	407.2	427.2	415.2	401.9
45°	363.3	380.6	401.9	389.9	374.0
47.5°	336.7	354.0	375.3	360.7	344.7
50°	308.8	324.7	347.4	331.4	315.4
52.5°	274.2	295.4	318.1	300.8	282.1
55°	243.5	262.2	288.8	267.5	250.2
57.5°	191.6	228.9	258.2	232.9	197.0
60°	142.4	178.3	226.2	183.7	146.4
62.5°	98.5	131.8	194.3	133.1	99.8
65°	67.9	89.2	158.4	90.5	67.9
67.5°	50.6	59.9	106.5	59.9	50.6
70°	41.3	43.9	62.5	43.9	39.9
72.5°	30.6	34.6	34.6	34.6	31.9
75°	18.6	22.6	21.3	22.6	20.0
77.5°	8.0	10.6	13.3	12.0	8.0
80°	5.3	5.3	6.7	5.3	5.3
82.5°	4.0	4.0	4.0	4.0	4.0
85°	1.3	1.3	1.3	1.3	1.3
87.5°	1.3	1.3	1.3	1.3	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)