

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: P303516

Luminaire Tested: **PR6FS24D010 PR6M24WW8FSMMS 3000Lm3500K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303516  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-8)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: PR6FS24D010 PR6M24WW8FSMMS 3000Lm3500K  
Description: PR6 WALLWASH ASSEMBLY WITH, MATTE METALLIC SILVER FINISH  
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2649.9 lumens  
Efficiency: N/A  
Efficacy: 101.5 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 1.13 / 1.11  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

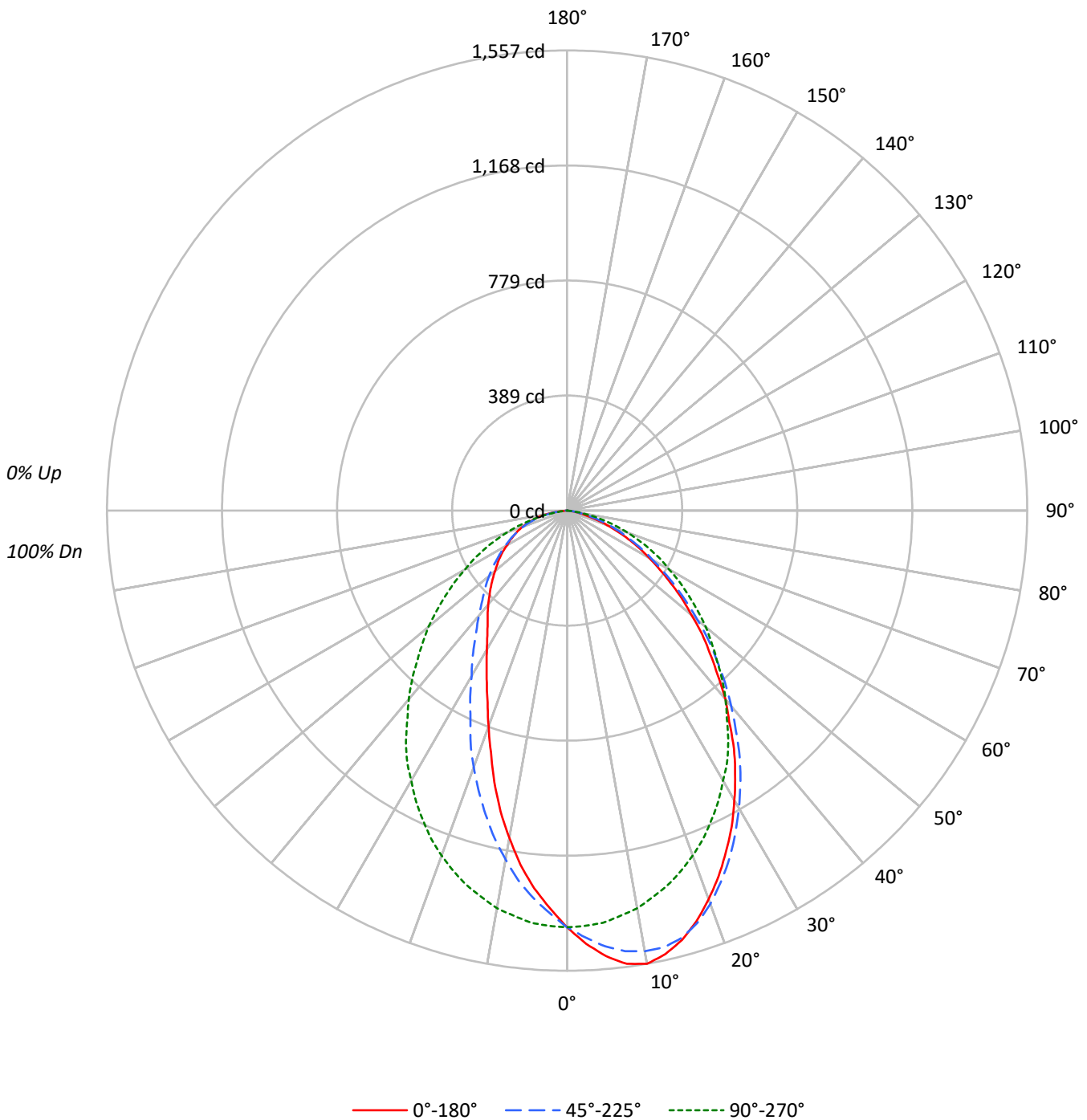
Input Watts (W): 26.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	110	106	103	99	108	104	101	98	100	97	95	96	94	92	92	91	89	87					87			
2	102	94	88	83	99	92	87	82	89	84	80	86	82	79	83	80	77	75					75			
3	94	84	77	71	91	83	76	70	80	74	69	77	72	68	75	70	67	65					65			
4	86	76	68	62	84	74	67	61	72	65	60	70	64	60	68	63	59	57					57			
5	80	68	60	54	78	67	60	54	65	58	53	63	57	53	62	56	52	50					50			
6	74	62	54	48	73	61	53	48	59	53	47	58	52	47	56	51	47	45					45			
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	40					40			
8	65	52	44	39	63	52	44	39	50	43	39	49	43	38	48	42	38	36					36			
9	61	48	41	35	60	48	40	35	47	40	35	46	39	35	45	39	35	33					33			
10	57	45	37	33	56	44	37	32	43	37	32	43	36	32	42	36	32	30					30			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	91970	91970	91970
5°	99119	91666	83991
10°	103153	90507	74535
15°	101549	88656	64233
20°	97178	86250	53938
25°	91594	83157	46279
30°	85262	79462	40868
35°	78410	75742	37337
40°	71011	71011	35361
45°	63026	66117	33676
50°	55742	62197	32286
55°	48750	57133	31609
60°	41950	51997	30585
65°	35151	47562	30504
70°	27468	41526	30654
75°	18578	32920	29543
80°	11309	20138	26412
85°	2470	2470	7486



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	132.1	5.0
10°-20°	357.2	13.5
20°-30°	482.6	18.2
30°-40°	507.3	19.1
40°-50°	454.0	17.1
50°-60°	354.0	13.4
60°-70°	235.4	8.9
70°-80°	112.6	4.3
80°-90°	14.6	0.6
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°	971.9	36.7
0°-40°	1479.2	55.8
0°-60°	2287.2	86.3
0°-90°	2649.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2649.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1410	1410	1410	1410	1410	
5°	1514	1480	1400	1316	1282	146
15°	1504	1497	1313	1065	951	421
25°	1272	1299	1155	774	643	585
35°	984	1018	951	546	469	613
45°	683	717	717	398	365	529
55°	429	449	502	291	278	385
65°	228	241	308	201	198	227
75°	74	90	131	110	117	84
85°	3	3	3	7	10	9
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1409.7	1409.7	1409.7	1409.7	1409.7	1409.7	1409.7	1409.7	1409.7
2.5°	1466.7	1460.0	1446.6	1429.8	1406.4	1382.9	1362.9	1352.8	1346.1
5°	1513.5	1503.5	1480.0	1443.2	1399.7	1356.2	1316.0	1292.5	1282.5
7.5°	1547.0	1533.6	1503.5	1449.9	1382.9	1319.3	1262.4	1218.9	1208.8
10°	1557.1	1547.0	1513.5	1453.3	1366.2	1279.1	1198.8	1145.2	1125.1
12.5°	1537.0	1537.0	1513.5	1443.2	1339.4	1232.3	1135.2	1064.8	1041.4
15°	1503.5	1500.1	1496.8	1429.8	1312.6	1182.0	1064.8	984.5	951.0
17.5°	1456.6	1456.6	1463.3	1406.4	1279.1	1128.5	994.5	897.4	857.2
20°	1399.7	1406.4	1416.4	1379.6	1242.3	1078.2	924.2	813.7	776.9
22.5°	1339.4	1342.8	1359.5	1342.8	1202.1	1018.0	853.9	733.3	703.2
25°	1272.4	1282.5	1299.2	1295.9	1155.2	961.0	773.5	669.7	642.9
27.5°	1205.5	1215.5	1232.3	1249.0	1108.4	904.1	709.9	612.8	589.3
30°	1131.8	1138.5	1161.9	1185.4	1054.8	840.5	646.3	565.9	542.5
32.5°	1058.1	1068.2	1091.6	1121.8	1007.9	783.6	596.0	522.4	502.3
35°	984.5	991.2	1018.0	1054.8	951.0	726.6	545.8	485.5	468.8
37.5°	900.8	910.8	937.6	981.1	887.4	669.7	502.3	452.1	442.0
40°	833.8	837.1	863.9	910.8	833.8	616.1	465.4	425.3	415.2
42.5°	753.4	763.5	790.3	843.8	776.9	555.9	428.6	395.1	388.4
45°	683.1	689.8	716.6	773.5	716.6	509.0	398.5	371.7	365.0
47.5°	619.5	616.1	649.6	703.2	663.0	458.7	371.7	344.9	341.5
50°	549.2	549.2	575.9	636.2	612.8	418.6	344.9	324.8	318.1
52.5°	488.9	485.5	509.0	575.9	555.9	378.4	318.1	301.4	298.0
55°	428.6	432.0	448.7	512.3	502.3	341.5	291.3	281.3	277.9
57.5°	371.7	375.0	388.4	448.7	452.1	308.1	267.9	257.8	257.8
60°	321.5	321.5	334.9	391.8	398.5	274.6	244.4	237.7	234.4
62.5°	274.6	274.6	288.0	334.9	354.9	244.4	221.0	217.7	217.7
65°	227.7	231.0	241.1	284.6	308.1	217.7	200.9	200.9	197.6
67.5°	184.2	187.5	200.9	241.1	261.2	190.9	177.5	180.8	180.8
70°	144.0	150.7	164.1	190.9	217.7	160.7	157.4	160.7	160.7
72.5°	107.2	113.8	127.2	150.7	174.1	133.9	133.9	137.3	140.6
75°	73.7	77.0	90.4	110.5	130.6	107.2	110.5	117.2	117.2
77.5°	50.2	53.6	60.3	73.7	90.4	80.4	87.1	93.8	97.1
80°	30.1	30.1	36.8	43.5	53.6	53.6	60.3	67.0	70.3
82.5°	13.4	13.4	16.7	20.1	23.4	26.8	33.5	33.5	36.8
85°	3.3	3.3	3.3	3.3	3.3	6.7	6.7	6.7	10.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)