

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: P303525

Luminaire Tested: **PR6FS24D010 PR6M24WW9FSMMS 4000Lm3500K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303525  
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 PR6M24WW9FSMMS 4000lm3500K  
Description: PR6 WALLWASH ASSEMBLY WITH, MATTE METALLIC SILVER FINISH  
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3174.2 lumens  
Efficiency: N/A  
Efficacy: 81.4 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

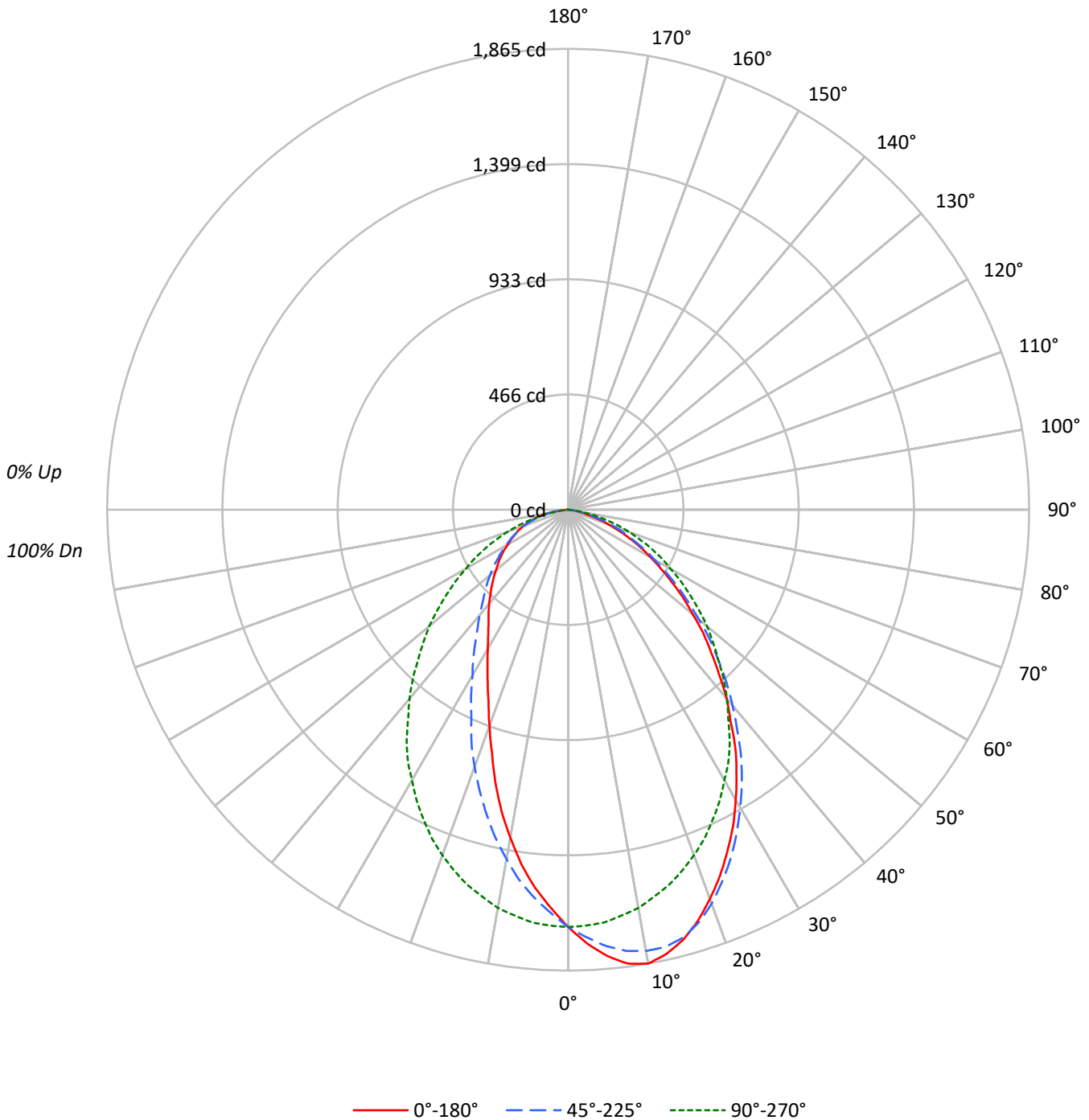
Input Watts (W): 39  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	110172	110172	110172
5°	118733	109800	100612
10°	123564	108413	89281
15°	121643	106203	76944
20°	116402	103315	64609
25°	109720	99613	55436
30°	102137	95184	48952
35°	93924	90731	44728
40°	85063	85063	42361
45°	75500	79200	40338
50°	66764	74498	38680
55°	58396	68440	37865
60°	50248	62279	36639
65°	42113	56963	36540
70°	32905	49729	36720
75°	22233	39424	35391
80°	13563	24120	31634
85°	2994	2994	8983



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	158.2	5.0
10°-20°	427.9	13.5
20°-30°	578.1	18.2
30°-40°	607.7	19.1
40°-50°	543.8	17.1
50°-60°	424.1	13.4
60°-70°	282.0	8.9
70°-80°	134.9	4.3
80°-90°	17.5	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°	1164.2	36.7
0°-40°	1771.9	55.8
0°-60°	2739.7	86.3
0°-90°	3174.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3174.2	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1689	1689	1689	1689	1689	
5°	1813	1773	1677	1576	1536	175
15°	1801	1793	1572	1276	1139	505
25°	1524	1556	1384	927	770	700
35°	1179	1219	1139	654	562	734
45°	818	858	858	477	437	634
55°	513	538	602	349	333	461
65°	273	289	369	241	237	272
75°	88	108	156	132	140	100
85°	4	4	4	8	12	10
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°	1688.7	1688.7	1688.7	1688.7	1688.7	1688.7	1688.7	1688.7	1688.7
2.5°	1756.9	1748.8	1732.8	1712.7	1684.7	1656.6	1632.5	1620.5	1612.5
5°	1813.0	1801.0	1772.9	1728.8	1676.6	1624.5	1576.4	1548.3	1536.3
7.5°	1853.1	1837.1	1801.0	1736.8	1656.6	1580.4	1512.2	1460.0	1448.0
10°	1865.2	1853.1	1813.0	1740.8	1636.5	1532.2	1436.0	1371.8	1347.7
12.5°	1841.1	1841.1	1813.0	1728.8	1604.4	1476.1	1359.8	1275.5	1247.5
15°	1801.0	1797.0	1793.0	1712.7	1572.4	1415.9	1275.5	1179.3	1139.2
17.5°	1744.8	1744.8	1752.9	1684.7	1532.2	1351.7	1191.3	1075.0	1026.8
20°	1676.6	1684.7	1696.7	1652.6	1488.1	1291.6	1107.1	974.7	930.6
22.5°	1604.4	1608.5	1628.5	1608.5	1440.0	1219.4	1022.8	878.4	842.3
25°	1524.2	1536.3	1556.3	1552.3	1383.8	1151.2	926.6	802.2	770.1
27.5°	1444.0	1456.0	1476.1	1496.1	1327.7	1083.0	850.4	734.0	706.0
30°	1355.8	1363.8	1391.9	1419.9	1263.5	1006.8	774.1	677.9	649.8
32.5°	1267.5	1279.5	1307.6	1343.7	1207.3	938.6	714.0	625.7	601.7
35°	1179.3	1187.3	1219.4	1263.5	1139.2	870.4	653.8	581.6	561.6
37.5°	1079.0	1091.0	1123.1	1175.3	1062.9	802.2	601.7	541.5	529.5
40°	998.8	1002.8	1034.9	1091.0	998.8	738.0	557.5	509.4	497.4
42.5°	902.5	914.5	946.6	1010.8	930.6	665.8	513.4	473.3	465.3
45°	818.3	826.3	858.4	926.6	858.4	609.7	477.3	445.2	437.2
47.5°	742.1	738.0	778.2	842.3	794.2	549.5	445.2	413.1	409.1
50°	657.8	657.8	689.9	762.1	734.0	501.4	413.1	389.1	381.1
52.5°	585.6	581.6	609.7	689.9	665.8	453.3	381.1	361.0	357.0
55°	513.4	517.4	537.5	613.7	601.7	409.1	349.0	336.9	332.9
57.5°	445.2	449.2	465.3	537.5	541.5	369.0	320.9	308.9	308.9
60°	385.1	385.1	401.1	469.3	477.3	328.9	292.8	284.8	280.8
62.5°	328.9	328.9	345.0	401.1	425.2	292.8	264.7	260.7	260.7
65°	272.8	276.8	288.8	340.9	369.0	260.7	240.7	240.7	236.7
67.5°	220.6	224.6	240.7	288.8	312.9	228.6	212.6	216.6	216.6
70°	172.5	180.5	196.5	228.6	260.7	192.5	188.5	192.5	192.5
72.5°	128.4	136.4	152.4	180.5	208.6	160.4	160.4	164.5	168.5
75°	88.2	92.3	108.3	132.4	156.4	128.4	132.4	140.4	140.4
77.5°	60.2	64.2	72.2	88.2	108.3	96.3	104.3	112.3	116.3
80°	36.1	36.1	44.1	52.1	64.2	64.2	72.2	80.2	84.2
82.5°	16.0	16.0	20.1	24.1	28.1	32.1	40.1	40.1	44.1
85°	4.0	4.0	4.0	4.0	4.0	8.0	8.0	8.0	12.0
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)