

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: P303522

Luminaire Tested: **PR6FS24D010 PR6M24WW8FSMMS 4000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303522
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 4000lm3500K
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: 3813.5 lumens
Efficiency: N/A
Efficacy: 97.8 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

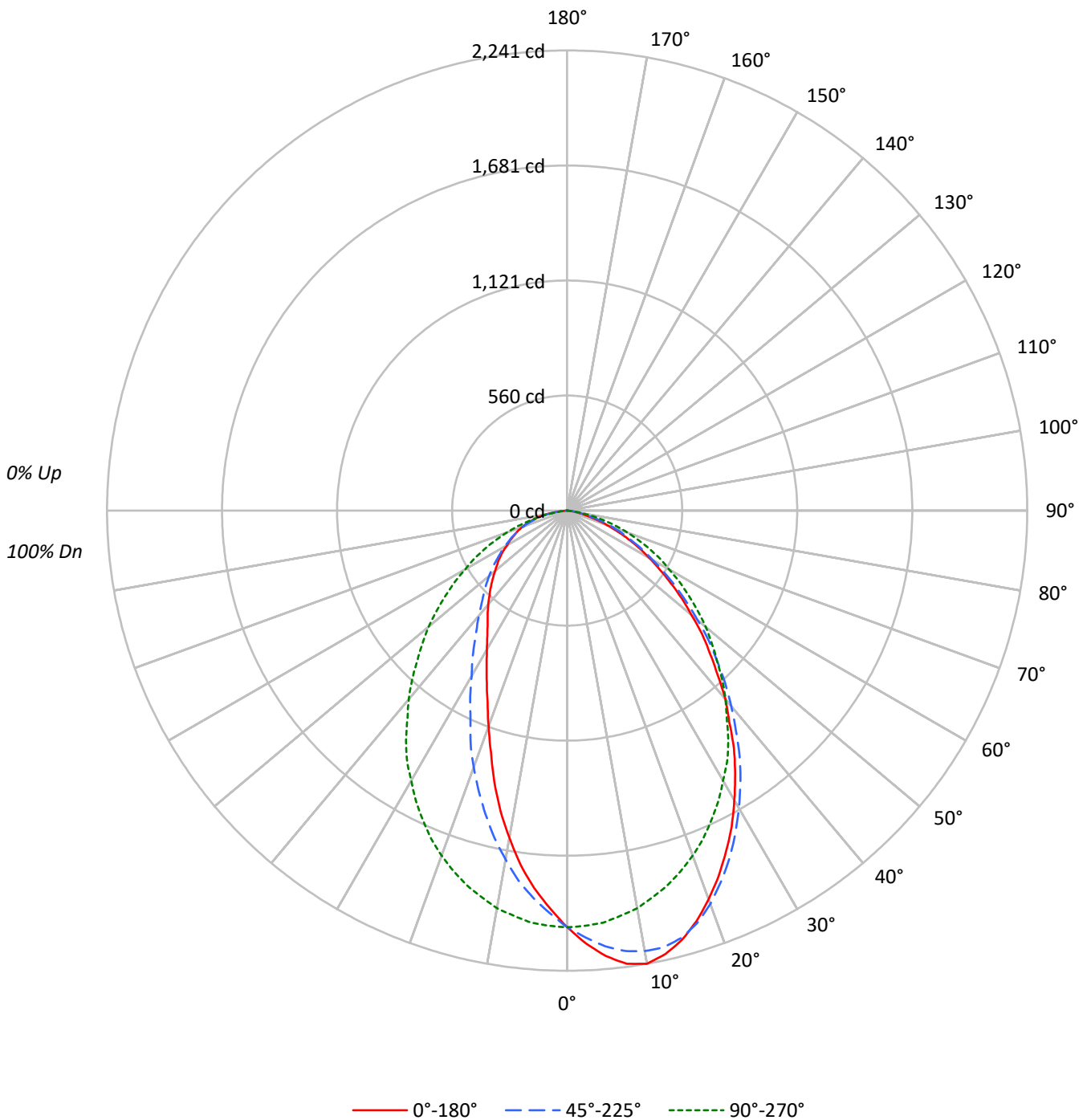
Input Watts (W): 39
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	132360	132360	132360
5°	142650	131923	120875
10°	148453	130255	107267
15°	146141	127594	92438
20°	139855	124130	77620
25°	131819	119682	66608
30°	122703	114356	58813
35°	112840	109001	53736
40°	102190	102190	50895
45°	90705	95152	48466
50°	80213	89510	46465
55°	70157	82225	45497
60°	60361	74831	44011
65°	50588	68449	43888
70°	39524	59743	44121
75°	26719	47364	42524
80°	16306	28967	38021
85°	3593	3593	10854



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.1	5.0
10°-20°	514.1	13.5
20°-30°	694.5	18.2
30°-40°	730.1	19.1
40°-50°	653.3	17.1
50°-60°	509.5	13.4
60°-70°	338.8	8.9
70°-80°	162.1	4.3
80°-90°	21.0	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°	1398.7	36.7
0°-40°	2128.8	55.8
0°-60°	3291.6	86.3
0°-90°	3813.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3813.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2029	2029	2029	2029	2029	
5°	2178	2130	2014	1894	1846	210
15°	2164	2154	1889	1532	1369	606
25°	1831	1870	1663	1113	925	841
35°	1417	1465	1369	786	675	882
45°	983	1031	1031	574	525	761
55°	617	646	723	419	400	554
65°	328	347	443	289	284	327
75°	106	130	188	159	169	120
85°	5	5	5	10	14	12
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°	2028.8	2028.8	2028.8	2028.8	2028.8	2028.8	2028.8	2028.8	2028.8
2.5°	2110.7	2101.1	2081.8	2057.7	2024.0	1990.3	1961.3	1946.9	1937.3
5°	2178.2	2163.7	2130.0	2077.0	2014.4	1951.7	1893.9	1860.1	1845.7
7.5°	2226.4	2207.1	2163.7	2086.6	1990.3	1898.7	1816.8	1754.1	1739.7
10°	2240.9	2226.4	2178.2	2091.5	1966.2	1840.9	1725.2	1648.1	1619.2
12.5°	2211.9	2211.9	2178.2	2077.0	1927.6	1773.4	1633.7	1532.5	1498.7
15°	2163.7	2158.9	2154.1	2057.7	1889.1	1701.1	1532.5	1416.8	1368.6
17.5°	2096.3	2096.3	2105.9	2024.0	1840.9	1624.0	1431.3	1291.5	1233.7
20°	2014.4	2024.0	2038.5	1985.4	1787.9	1551.7	1330.1	1171.0	1118.0
22.5°	1927.6	1932.4	1956.5	1932.4	1730.0	1465.0	1228.9	1055.4	1012.0
25°	1831.2	1845.7	1869.8	1865.0	1662.6	1383.1	1113.2	963.8	925.3
27.5°	1734.9	1749.3	1773.4	1797.5	1595.1	1301.1	1021.6	881.9	848.1
30°	1628.8	1638.5	1672.2	1705.9	1518.0	1209.6	930.1	814.4	780.7
32.5°	1522.8	1537.3	1571.0	1614.4	1450.5	1127.7	857.8	751.8	722.9
35°	1416.8	1426.4	1465.0	1518.0	1368.6	1045.7	785.5	698.8	674.7
37.5°	1296.3	1310.8	1349.3	1412.0	1277.0	963.8	722.9	650.6	636.1
40°	1199.9	1204.8	1243.3	1310.8	1199.9	886.7	669.8	612.0	597.6
42.5°	1084.3	1098.7	1137.3	1214.4	1118.0	800.0	616.8	568.6	559.0
45°	983.1	992.7	1031.3	1113.2	1031.3	732.5	573.5	534.9	525.3
47.5°	891.5	886.7	934.9	1012.0	954.2	660.2	534.9	496.4	491.5
50°	790.3	790.3	828.9	915.6	881.9	602.4	496.4	467.4	457.8
52.5°	703.6	698.8	732.5	828.9	800.0	544.6	457.8	433.7	428.9
55°	616.8	621.7	645.8	737.3	722.9	491.5	419.3	404.8	400.0
57.5°	534.9	539.7	559.0	645.8	650.6	443.4	385.5	371.1	371.1
60°	462.6	462.6	481.9	563.8	573.5	395.2	351.8	342.2	337.3
62.5°	395.2	395.2	414.4	481.9	510.8	351.8	318.1	313.2	313.2
65°	327.7	332.5	347.0	409.6	443.4	313.2	289.1	289.1	284.3
67.5°	265.0	269.9	289.1	347.0	375.9	274.7	255.4	260.2	260.2
70°	207.2	216.9	236.1	274.7	313.2	231.3	226.5	231.3	231.3
72.5°	154.2	163.8	183.1	216.9	250.6	192.8	192.8	197.6	202.4
75°	106.0	110.8	130.1	159.0	187.9	154.2	159.0	168.7	168.7
77.5°	72.3	77.1	86.7	106.0	130.1	115.7	125.3	134.9	139.8
80°	43.4	43.4	53.0	62.6	77.1	77.1	86.7	96.4	101.2
82.5°	19.3	19.3	24.1	28.9	33.7	38.6	48.2	48.2	53.0
85°	4.8	4.8	4.8	4.8	4.8	9.6	9.6	9.6	14.5
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)