

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: P303519

Luminaire Tested: **PR6FS24D010 PR6M24WW9FSMMS 3000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303519
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 3000Lm3500K
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: 2205.6 lumens
Efficiency: N/A
Efficacy: 84.5 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

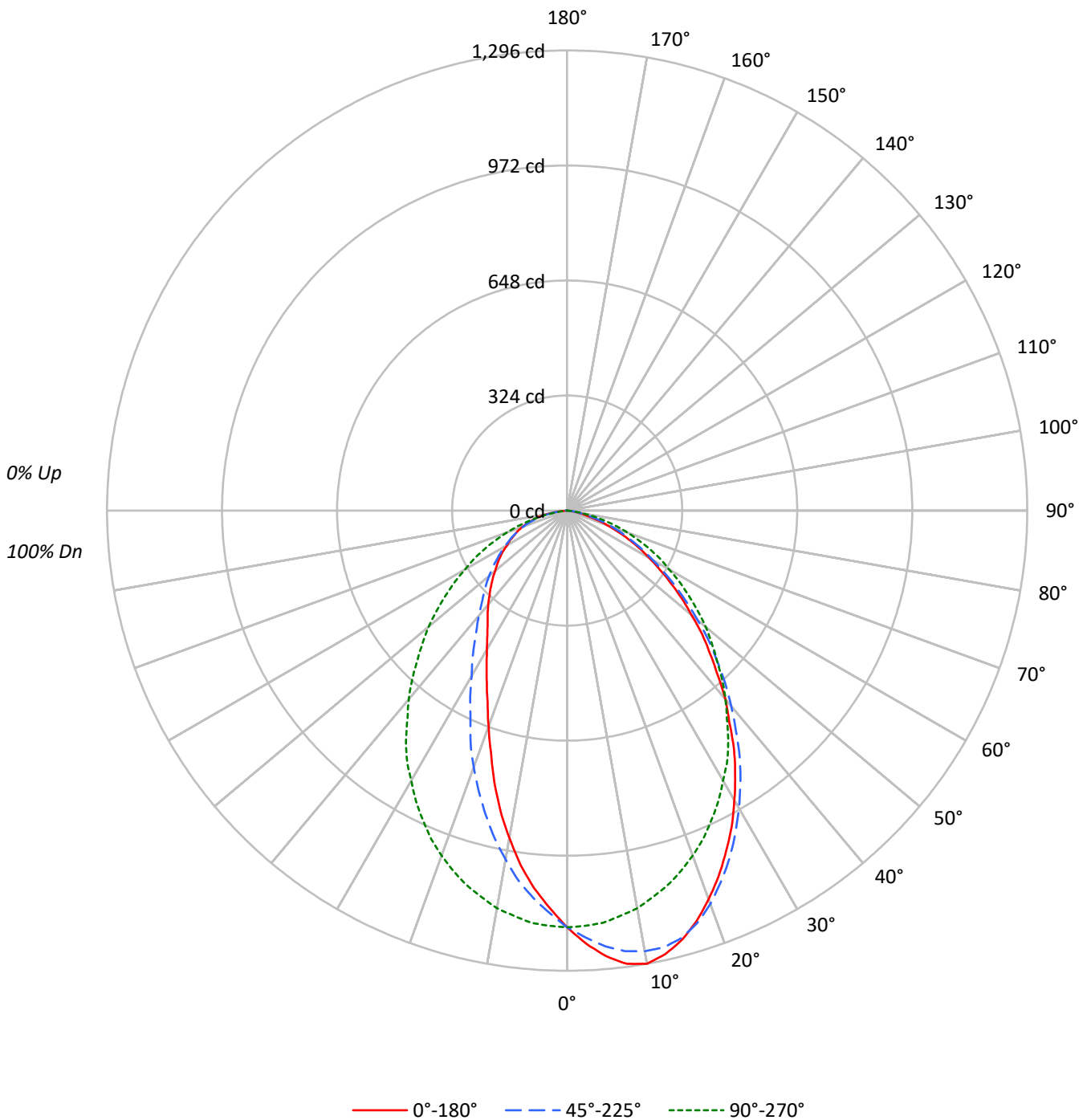
Input Watts (W): 26.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	76553	76553	76553
5°	82504	76296	69910
10°	85856	75336	62040
15°	84522	73796	53460
20°	80883	71788	44892
25°	76239	69221	38519
30°	70972	66135	34013
35°	65260	63038	31077
40°	59105	59105	29433
45°	52461	55026	28030
50°	46394	51763	26876
55°	40584	47556	26309
60°	34917	43281	25457
65°	29254	39581	25379
70°	22852	34564	25522
75°	15452	27400	24577
80°	9430	16756	21979
85°	2096	2096	6288



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.0	5.0
10°-20°	297.3	13.5
20°-30°	401.7	18.2
30°-40°	422.2	19.1
40°-50°	377.8	17.1
50°-60°	294.7	13.4
60°-70°	196.0	8.9
70°-80°	93.8	4.3
80°-90°	12.2	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°	809.0	36.7
0°-40°	1231.2	55.8
0°-60°	1903.7	86.3
0°-90°	2205.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2205.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1173	1173	1173	1173	1173	
5°	1260	1232	1165	1095	1068	121
15°	1251	1246	1093	886	792	351
25°	1059	1081	962	644	535	487
35°	819	847	792	454	390	510
45°	569	596	596	332	304	440
55°	357	374	418	242	231	320
65°	190	201	256	167	164	189
75°	61	75	109	92	98	70
85°	3	3	3	6	8	7
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°	1173.4	1173.4	1173.4	1173.4	1173.4	1173.4	1173.4	1173.4	1173.4
2.5°	1220.8	1215.2	1204.0	1190.1	1170.6	1151.1	1134.4	1126.0	1120.4
5°	1259.8	1251.4	1231.9	1201.3	1165.0	1128.8	1095.3	1075.8	1067.5
7.5°	1287.7	1276.5	1251.4	1206.8	1151.1	1098.1	1050.8	1014.5	1006.2
10°	1296.0	1287.7	1259.8	1209.6	1137.2	1064.7	997.8	953.2	936.5
12.5°	1279.3	1279.3	1259.8	1201.3	1114.9	1025.7	944.8	886.3	866.8
15°	1251.4	1248.6	1245.8	1190.1	1092.6	983.9	886.3	819.4	791.5
17.5°	1212.4	1212.4	1218.0	1170.6	1064.7	939.3	827.8	747.0	713.5
20°	1165.0	1170.6	1179.0	1148.3	1034.0	897.5	769.2	677.3	646.6
22.5°	1114.9	1117.6	1131.6	1117.6	1000.6	847.3	710.7	610.4	585.3
25°	1059.1	1067.5	1081.4	1078.6	961.6	799.9	643.8	557.4	535.1
27.5°	1003.4	1011.7	1025.7	1039.6	922.5	752.5	590.9	510.0	490.5
30°	942.1	947.6	967.1	986.6	877.9	699.6	537.9	471.0	451.5
32.5°	880.7	889.1	908.6	933.7	838.9	652.2	496.1	434.8	418.1
35°	819.4	825.0	847.3	877.9	791.5	604.8	454.3	404.1	390.2
37.5°	749.7	758.1	780.4	816.6	738.6	557.4	418.1	376.3	367.9
40°	694.0	696.8	719.1	758.1	694.0	512.8	387.4	354.0	345.6
42.5°	627.1	635.5	657.8	702.4	646.6	462.7	356.8	328.9	323.3
45°	568.6	574.1	596.4	643.8	596.4	423.6	331.7	309.4	303.8
47.5°	515.6	512.8	540.7	585.3	551.9	381.8	309.4	287.1	284.3
50°	457.1	457.1	479.4	529.6	510.0	348.4	287.1	270.4	264.8
52.5°	406.9	404.1	423.6	479.4	462.7	314.9	264.8	250.8	248.1
55°	356.8	359.5	373.5	426.4	418.1	284.3	242.5	234.1	231.3
57.5°	309.4	312.2	323.3	373.5	376.3	256.4	223.0	214.6	214.6
60°	267.6	267.6	278.7	326.1	331.7	228.5	203.5	197.9	195.1
62.5°	228.5	228.5	239.7	278.7	295.4	203.5	184.0	181.2	181.2
65°	189.5	192.3	200.7	236.9	256.4	181.2	167.2	167.2	164.4
67.5°	153.3	156.1	167.2	200.7	217.4	158.9	147.7	150.5	150.5
70°	119.8	125.4	136.6	158.9	181.2	133.8	131.0	133.8	133.8
72.5°	89.2	94.8	105.9	125.4	144.9	111.5	111.5	114.3	117.1
75°	61.3	64.1	75.3	92.0	108.7	89.2	92.0	97.5	97.5
77.5°	41.8	44.6	50.2	61.3	75.3	66.9	72.5	78.0	80.8
80°	25.1	25.1	30.7	36.2	44.6	44.6	50.2	55.7	58.5
82.5°	11.1	11.1	13.9	16.7	19.5	22.3	27.9	27.9	30.7
85°	2.8	2.8	2.8	2.8	2.8	5.6	5.6	5.6	8.4
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)