

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: P303517

Luminaire Tested: **PR6FS24D010 PR6M24WW8FSMMS 3000Lm4000K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303517  
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 3000Lm4000K  
Description: PR6 WALLWASH ASSEMBLY WITH, MATTE METALLIC SILVER FINISH  
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2517.1 lumens  
Efficiency: N/A  
Efficacy: 88.3 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

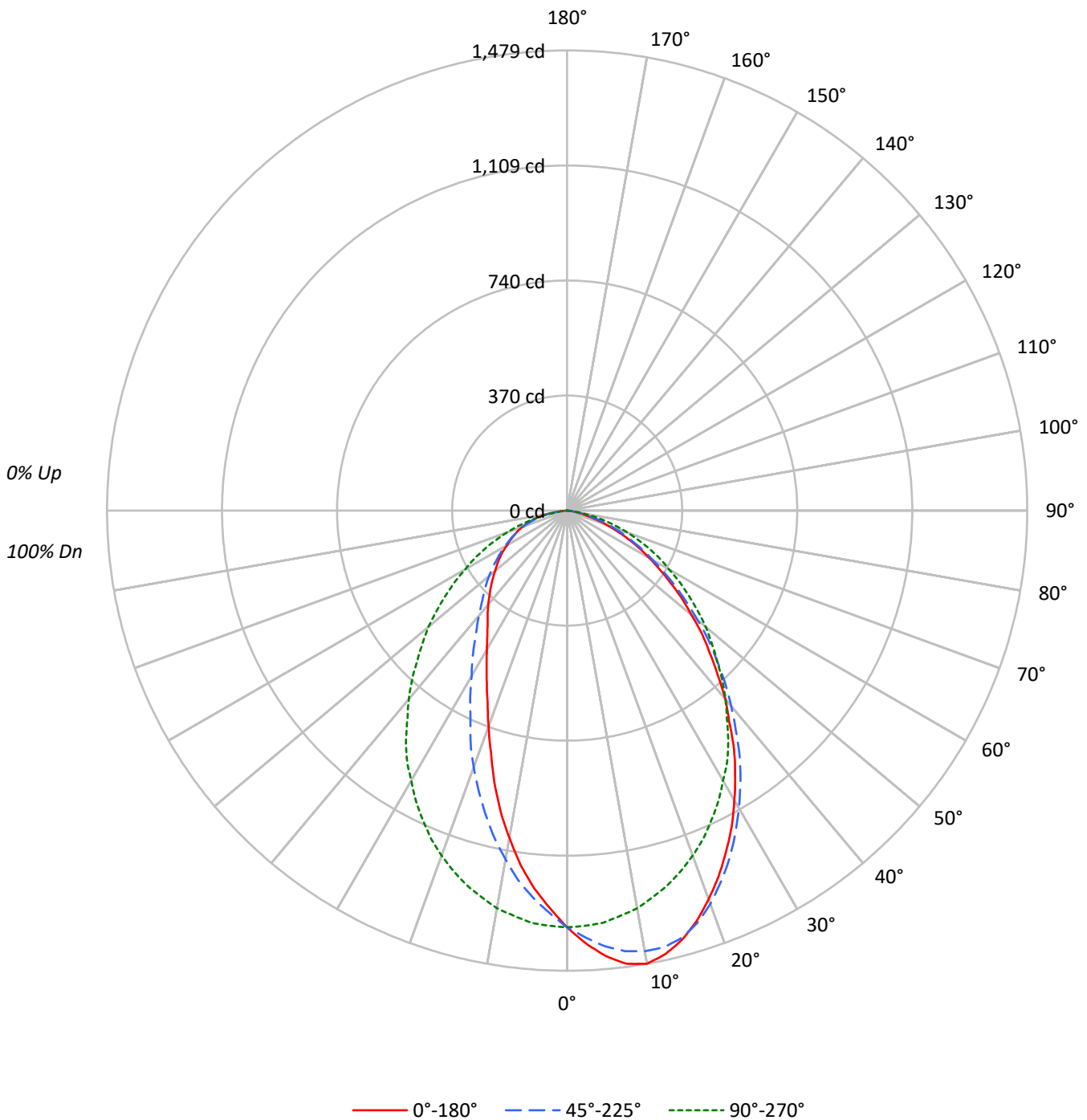
Input Watts (W): 28.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	87364	87364	87364
5°	94155	87069	79780
10°	97979	85969	70798
15°	96457	84211	61011
20°	92304	81925	51231
25°	87008	78989	43961
30°	80991	75477	38819
35°	74475	71943	35466
40°	67451	67451	33589
45°	59870	62804	31988
50°	52941	59081	30672
55°	46305	54267	30028
60°	39836	49387	29058
65°	33391	45169	28976
70°	26095	39428	29128
75°	17645	31257	28055
80°	10745	19123	25097
85°	2395	2395	7111



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	125.5	5.0
10°-20°	339.3	13.5
20°-30°	458.4	18.2
30°-40°	481.9	19.1
40°-50°	431.2	17.1
50°-60°	336.3	13.4
60°-70°	223.6	8.9
70°-80°	107.0	4.3
80°-90°	13.9	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°	923.2	36.7
0°-40°	1405.1	55.8
0°-60°	2172.6	86.3
0°-90°	2517.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2517.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1339	1339	1339	1339	1339	
5°	1438	1406	1330	1250	1218	138
15°	1428	1422	1247	1012	903	400
25°	1209	1234	1097	735	611	555
35°	935	967	903	518	445	582
45°	649	681	681	378	347	502
55°	407	426	477	277	264	366
65°	216	229	293	191	188	216
75°	70	86	124	105	111	80
85°	3	3	3	6	10	8
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°	1339.1	1339.1	1339.1	1339.1	1339.1	1339.1	1339.1	1339.1	1339.1
2.5°	1393.2	1386.8	1374.1	1358.2	1335.9	1313.6	1294.6	1285.0	1278.7
5°	1437.7	1428.1	1405.9	1370.9	1329.5	1288.2	1250.0	1227.8	1218.2
7.5°	1469.5	1456.8	1428.1	1377.3	1313.6	1253.2	1199.1	1157.8	1148.2
10°	1479.0	1469.5	1437.7	1380.4	1297.7	1215.0	1138.7	1087.8	1068.7
12.5°	1460.0	1460.0	1437.7	1370.9	1272.3	1170.5	1078.3	1011.5	989.2
15°	1428.1	1425.0	1421.8	1358.2	1246.8	1122.8	1011.5	935.1	903.3
17.5°	1383.6	1383.6	1390.0	1335.9	1215.0	1071.9	944.7	852.4	814.3
20°	1329.5	1335.9	1345.4	1310.5	1180.0	1024.2	877.9	772.9	737.9
22.5°	1272.3	1275.5	1291.4	1275.5	1141.9	966.9	811.1	696.6	668.0
25°	1208.7	1218.2	1234.1	1230.9	1097.3	912.9	734.7	636.1	610.7
27.5°	1145.1	1154.6	1170.5	1186.4	1052.8	858.8	674.3	582.1	559.8
30°	1075.1	1081.4	1103.7	1126.0	1001.9	798.4	613.9	537.5	515.3
32.5°	1005.1	1014.7	1036.9	1065.5	957.4	744.3	566.2	496.2	477.1
35°	935.1	941.5	966.9	1001.9	903.3	690.2	518.5	461.2	445.3
37.5°	855.6	865.2	890.6	932.0	842.9	636.1	477.1	429.4	419.9
40°	792.0	795.2	820.6	865.2	792.0	585.3	442.1	404.0	394.4
42.5°	715.7	725.2	750.7	801.5	737.9	528.0	407.1	375.3	369.0
45°	648.9	655.2	680.7	734.7	680.7	483.5	378.5	353.1	346.7
47.5°	588.4	585.3	617.1	668.0	629.8	435.8	353.1	327.6	324.4
50°	521.6	521.6	547.1	604.3	582.1	397.6	327.6	308.5	302.2
52.5°	464.4	461.2	483.5	547.1	528.0	359.4	302.2	286.3	283.1
55°	407.1	410.3	426.2	486.7	477.1	324.4	276.7	267.2	264.0
57.5°	353.1	356.2	369.0	426.2	429.4	292.6	254.5	244.9	244.9
60°	305.3	305.3	318.1	372.1	378.5	260.8	232.2	225.8	222.7
62.5°	260.8	260.8	273.5	318.1	337.2	232.2	209.9	206.7	206.7
65°	216.3	219.5	229.0	270.4	292.6	206.7	190.8	190.8	187.7
67.5°	174.9	178.1	190.8	229.0	248.1	181.3	168.6	171.8	171.8
70°	136.8	143.1	155.9	181.3	206.7	152.7	149.5	152.7	152.7
72.5°	101.8	108.1	120.9	143.1	165.4	127.2	127.2	130.4	133.6
75°	70.0	73.2	85.9	105.0	124.0	101.8	105.0	111.3	111.3
77.5°	47.7	50.9	57.3	70.0	85.9	76.3	82.7	89.1	92.2
80°	28.6	28.6	35.0	41.3	50.9	50.9	57.3	63.6	66.8
82.5°	12.7	12.7	15.9	19.1	22.3	25.4	31.8	31.8	35.0
85°	3.2	3.2	3.2	3.2	3.2	6.4	6.4	6.4	9.5
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)