

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: P303515

Luminaire Tested: **PR6FS24D010 PR6M24WW8FSMMS 3000Lm3000K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303515  
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 3000lm3000K  
Description: PR6 WALLWASH ASSEMBLY WITH, MATTE METALLIC SILVER FINISH  
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2139.2 lumens  
Efficiency: N/A  
Efficacy: 75.1 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

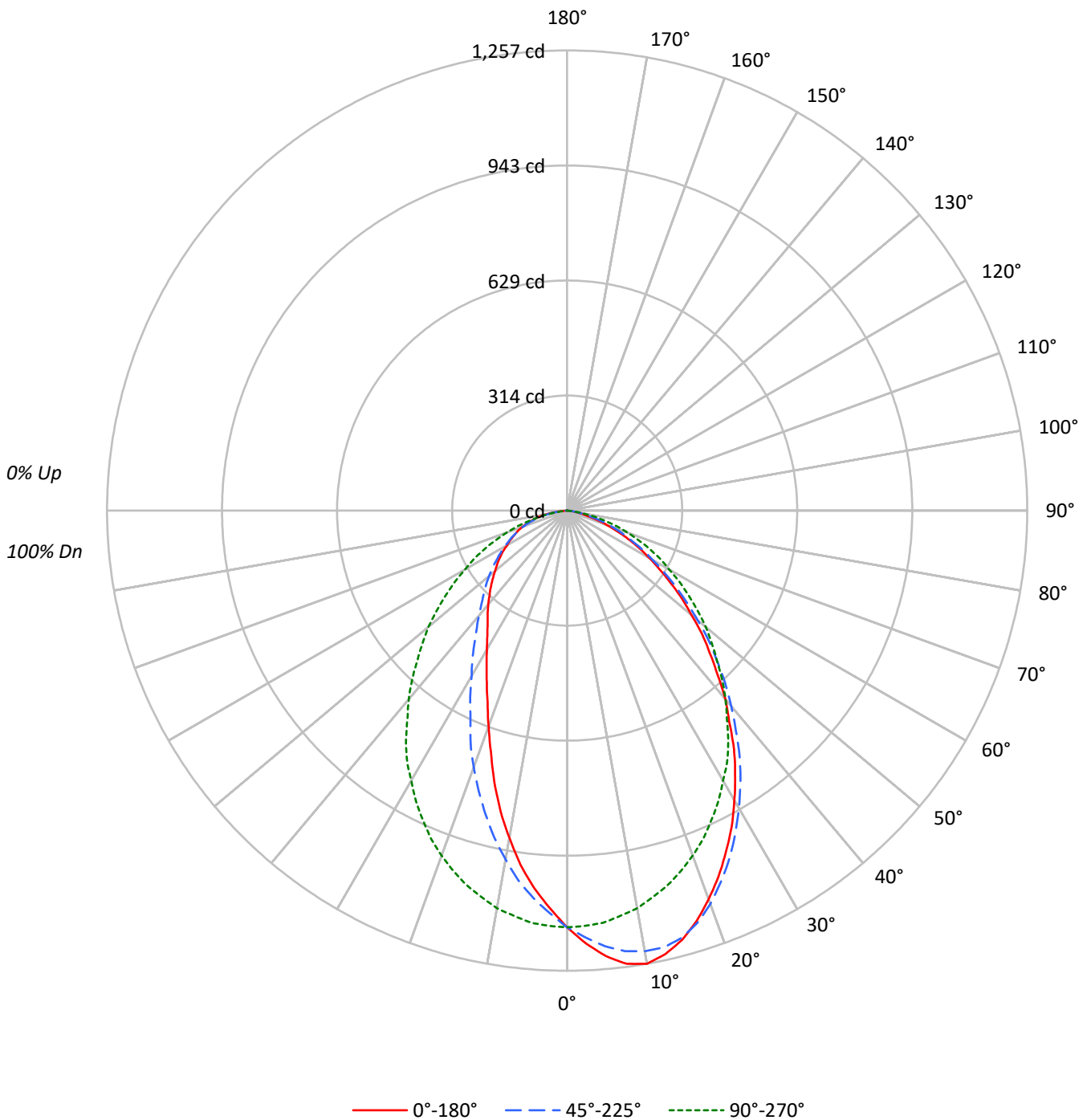
Input Watts (W): 28.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	74250	74250	74250
5°	80022	74004	67802
10°	83273	73064	60172
15°	81983	71574	51852
20°	78453	69629	43538
25°	73943	67133	37360
30°	68832	64146	32988
35°	63301	61143	30145
40°	57325	57325	28548
45°	50884	53375	27190
50°	44993	50210	26064
55°	39355	46123	25524
60°	33860	41976	24687
65°	28374	38392	24622
70°	22165	33515	24759
75°	14998	26568	23846
80°	9130	16268	21340
85°	2021	2021	6063



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.6	5.0
10°-20°	288.4	13.5
20°-30°	389.6	18.2
30°-40°	409.5	19.1
40°-50°	366.5	17.1
50°-60°	285.8	13.4
60°-70°	190.1	8.9
70°-80°	90.9	4.3
80°-90°	11.8	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°	784.6	36.7
0°-40°	1194.1	55.8
0°-60°	1846.4	86.3
0°-90°	2139.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2139.2	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1138	1138	1138	1138	1138	
5°	1222	1195	1130	1062	1035	118
15°	1214	1208	1060	860	768	340
25°	1027	1049	933	624	519	472
35°	795	822	768	441	378	495
45°	552	578	578	322	295	427
55°	346	362	406	235	224	311
65°	184	195	249	162	160	183
75°	60	73	105	89	95	68
85°	3	3	3	5	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°	1138.1	1138.1	1138.1	1138.1	1138.1	1138.1	1138.1	1138.1	1138.1
2.5°	1184.0	1178.6	1167.8	1154.3	1135.4	1116.4	1100.2	1092.1	1086.7
5°	1221.9	1213.8	1194.8	1165.1	1130.0	1094.8	1062.4	1043.4	1035.3
7.5°	1248.9	1238.1	1213.8	1170.5	1116.4	1065.1	1019.1	984.0	975.9
10°	1257.0	1248.9	1221.9	1173.2	1102.9	1032.6	967.8	924.5	908.3
12.5°	1240.8	1240.8	1221.9	1165.1	1081.3	994.8	916.4	859.6	840.7
15°	1213.8	1211.0	1208.3	1154.3	1059.7	954.2	859.6	794.8	767.7
17.5°	1175.9	1175.9	1181.3	1135.4	1032.6	911.0	802.9	724.5	692.0
20°	1130.0	1135.4	1143.5	1113.7	1002.9	870.4	746.1	656.9	627.1
22.5°	1081.3	1084.0	1097.5	1084.0	970.5	821.8	689.3	592.0	567.7
25°	1027.2	1035.3	1048.9	1046.2	932.6	775.8	624.4	540.6	519.0
27.5°	973.2	981.3	994.8	1008.3	894.8	729.9	573.1	494.7	475.8
30°	913.7	919.1	938.0	956.9	851.5	678.5	521.7	456.8	437.9
32.5°	854.2	862.3	881.3	905.6	813.7	632.6	481.2	421.7	405.5
35°	794.8	800.2	821.8	851.5	767.7	586.6	440.6	392.0	378.5
37.5°	727.2	735.3	756.9	792.0	716.4	540.6	405.5	364.9	356.8
40°	673.1	675.8	697.4	735.3	673.1	497.4	375.7	343.3	335.2
42.5°	608.2	616.3	638.0	681.2	627.1	448.7	346.0	319.0	313.6
45°	551.5	556.9	578.5	624.4	578.5	410.9	321.7	300.1	294.7
47.5°	500.1	497.4	524.4	567.7	535.2	370.3	300.1	278.4	275.7
50°	443.3	443.3	465.0	513.6	494.7	337.9	278.4	262.2	256.8
52.5°	394.7	392.0	410.9	465.0	448.7	305.5	256.8	243.3	240.6
55°	346.0	348.7	362.2	413.6	405.5	275.7	235.2	227.1	224.4
57.5°	300.1	302.8	313.6	362.2	364.9	248.7	216.3	208.1	208.1
60°	259.5	259.5	270.3	316.3	321.7	221.7	197.3	191.9	189.2
62.5°	221.7	221.7	232.5	270.3	286.5	197.3	178.4	175.7	175.7
65°	183.8	186.5	194.6	229.8	248.7	175.7	162.2	162.2	159.5
67.5°	148.7	151.4	162.2	194.6	210.9	154.1	143.3	146.0	146.0
70°	116.2	121.6	132.5	154.1	175.7	129.8	127.1	129.8	129.8
72.5°	86.5	91.9	102.7	121.6	140.6	108.1	108.1	110.8	113.5
75°	59.5	62.2	73.0	89.2	105.4	86.5	89.2	94.6	94.6
77.5°	40.5	43.3	48.7	59.5	73.0	64.9	70.3	75.7	78.4
80°	24.3	24.3	29.7	35.1	43.3	43.3	48.7	54.1	56.8
82.5°	10.8	10.8	13.5	16.2	18.9	21.6	27.0	27.0	29.7
85°	2.7	2.7	2.7	2.7	2.7	5.4	5.4	5.4	8.1
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)