

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: P303511

Luminaire Tested: **PR6FS24D010 PR6M24WW8FSMMS 2000Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303511
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 2000Lm4000K
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: 1960.9 lumens
Efficiency: N/A
Efficacy: 89.1 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

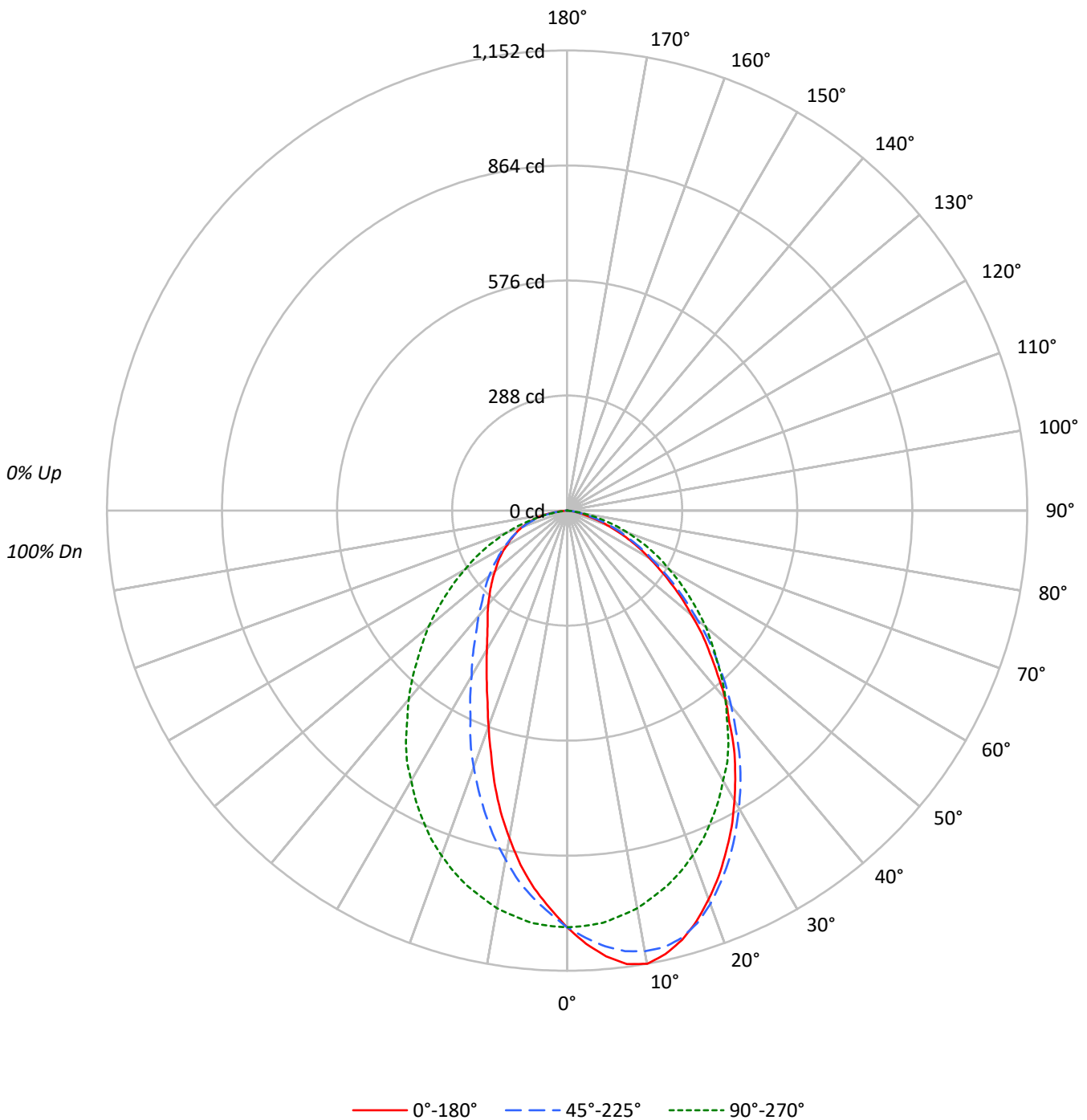
Input Watts (W): 22
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	68059	68059	68059
5°	73349	67834	62150
10°	76330	66976	55157
15°	75147	65604	47529
20°	71913	63825	39914
25°	67781	61540	34250
30°	63092	58798	30239
35°	58021	56046	27629
40°	52547	52547	26171
45°	46640	48928	24921
50°	41248	46029	23892
55°	36079	42278	23397
60°	31041	38479	22638
65°	26012	35197	22569
70°	20334	30730	22680
75°	13738	24350	21855
80°	8378	14878	19537
85°	1871	1871	5539



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.8	5.0
10°-20°	264.3	13.5
20°-30°	357.1	18.2
30°-40°	375.4	19.1
40°-50°	335.9	17.1
50°-60°	262.0	13.4
60°-70°	174.2	8.9
70°-80°	83.4	4.3
80°-90°	10.8	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°	719.2	36.7
0°-40°	1094.6	55.8
0°-60°	1692.5	86.3
0°-90°	1960.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1960.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1043	1043	1043	1043	1043	
5°	1120	1095	1036	974	949	108
15°	1113	1108	971	788	704	312
25°	942	961	855	572	476	433
35°	728	753	704	404	347	454
45°	506	530	530	295	270	391
55°	317	332	372	216	206	285
65°	168	178	228	149	146	168
75°	54	67	97	82	87	62
85°	2	2	2	5	7	6
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°	1043.2	1043.2	1043.2	1043.2	1043.2	1043.2	1043.2	1043.2	1043.2
2.5°	1085.3	1080.4	1070.5	1058.1	1040.7	1023.4	1008.5	1001.1	996.1
5°	1120.0	1112.6	1095.2	1068.0	1035.8	1003.6	973.8	956.5	949.0
7.5°	1144.8	1134.9	1112.6	1072.9	1023.4	976.3	934.2	902.0	894.5
10°	1152.2	1144.8	1120.0	1075.4	1011.0	946.6	887.1	847.5	832.6
12.5°	1137.4	1137.4	1120.0	1068.0	991.2	911.9	840.0	788.0	770.6
15°	1112.6	1110.1	1107.6	1058.1	971.3	874.7	788.0	728.5	703.7
17.5°	1077.9	1077.9	1082.9	1040.7	946.6	835.1	735.9	664.1	634.4
20°	1035.8	1040.7	1048.2	1020.9	919.3	797.9	683.9	602.1	574.9
22.5°	991.2	993.7	1006.0	993.7	889.6	753.3	631.9	542.7	520.4
25°	941.6	949.0	961.4	959.0	854.9	711.2	572.4	495.6	475.8
27.5°	892.1	899.5	911.9	924.3	820.2	669.0	525.3	453.5	436.1
30°	837.5	842.5	859.8	877.2	780.5	622.0	478.2	418.8	401.4
32.5°	783.0	790.5	807.8	830.1	745.9	579.8	441.1	386.6	371.7
35°	728.5	733.5	753.3	780.5	703.7	537.7	403.9	359.3	346.9
37.5°	666.6	674.0	693.8	726.0	656.7	495.6	371.7	334.5	327.1
40°	617.0	619.5	639.3	674.0	617.0	455.9	344.4	314.7	307.3
42.5°	557.5	565.0	584.8	624.4	574.9	411.3	317.2	292.4	287.4
45°	505.5	510.5	530.3	572.4	530.3	376.6	294.9	275.1	270.1
47.5°	458.4	455.9	480.7	520.4	490.6	339.5	275.1	255.2	252.7
50°	406.4	406.4	426.2	470.8	453.5	309.7	255.2	240.4	235.4
52.5°	361.8	359.3	376.6	426.2	411.3	280.0	235.4	223.0	220.5
55°	317.2	319.7	332.0	379.1	371.7	252.7	215.6	208.1	205.7
57.5°	275.1	277.5	287.4	332.0	334.5	228.0	198.2	190.8	190.8
60°	237.9	237.9	247.8	289.9	294.9	203.2	180.9	175.9	173.5
62.5°	203.2	203.2	213.1	247.8	262.7	180.9	163.5	161.1	161.1
65°	168.5	171.0	178.4	210.6	228.0	161.1	148.7	148.7	146.2
67.5°	136.3	138.8	148.7	178.4	193.3	141.2	131.3	133.8	133.8
70°	106.6	111.5	121.4	141.2	161.1	118.9	116.5	118.9	118.9
72.5°	79.3	84.2	94.2	111.5	128.9	99.1	99.1	101.6	104.1
75°	54.5	57.0	66.9	81.8	96.6	79.3	81.8	86.7	86.7
77.5°	37.2	39.6	44.6	54.5	66.9	59.5	64.4	69.4	71.9
80°	22.3	22.3	27.3	32.2	39.6	39.6	44.6	49.6	52.0
82.5°	9.9	9.9	12.4	14.9	17.3	19.8	24.8	24.8	27.3
85°	2.5	2.5	2.5	2.5	2.5	5.0	5.0	5.0	7.4
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)