

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: P303490

Luminaire Tested: **PR6FS24D010 PR6M24WW9FSMW 3000Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303490
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-7)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR6FS24D010 PR6M24WW9FSMW 3000Lm4000K
Description: PR6 WALLWASH ASSEMBLY WITH, MATTE WHITE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2003.5 lumens
Efficiency: N/A
Efficacy: 70.3 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

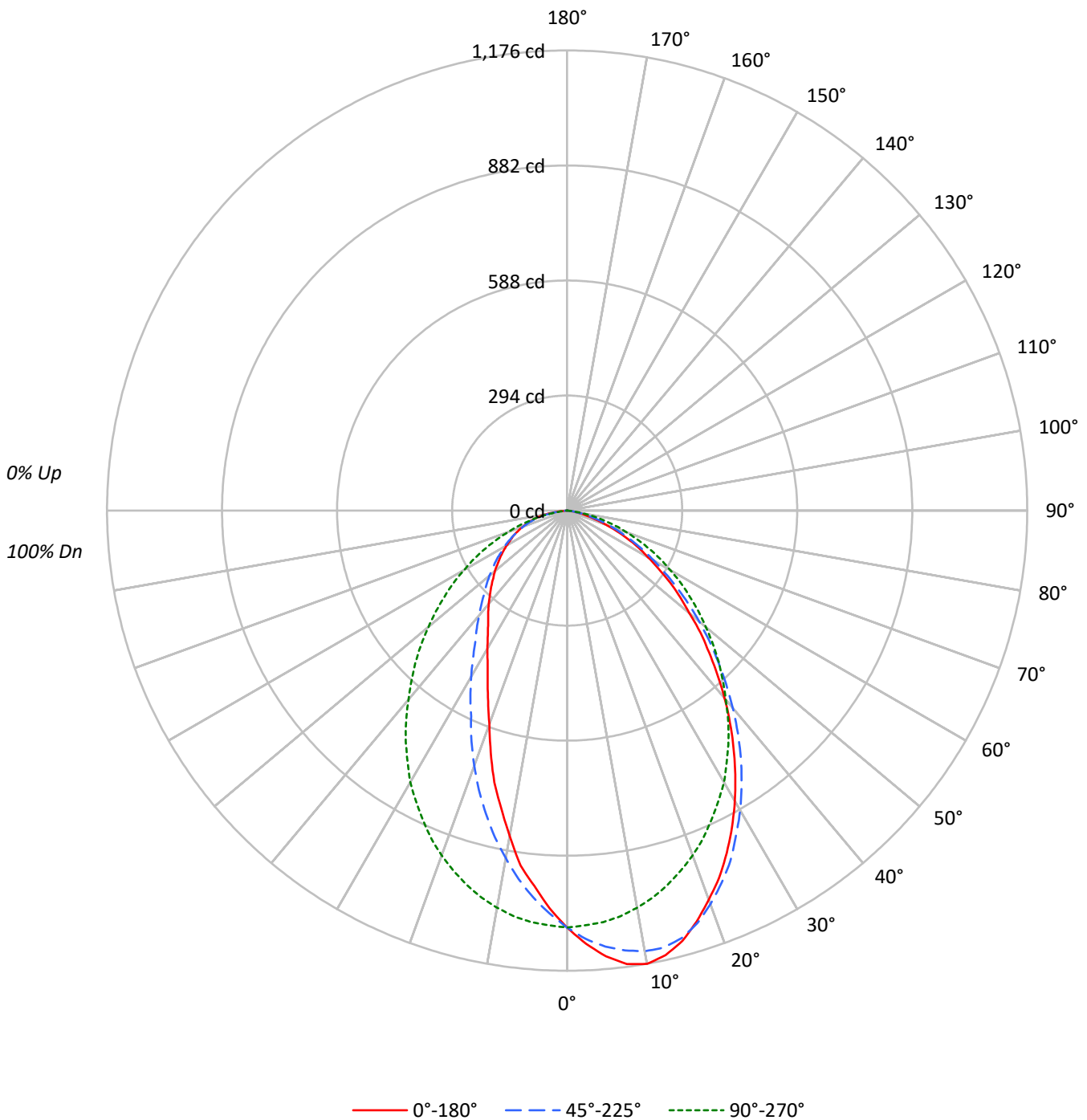
Input Watts (W): 28.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	103	99	108	104	101	98	100	97	95	96	94	92	92	91	89	87
2	102	94	88	83	99	92	87	82	89	84	80	86	82	79	83	80	77	75
3	94	84	77	71	91	83	76	70	80	74	69	77	72	68	75	70	67	65
4	86	76	68	62	84	74	67	61	72	65	60	70	64	60	68	63	59	57
5	80	68	60	54	78	67	60	54	65	58	53	63	57	53	61	56	52	50
6	74	62	54	48	73	61	53	48	59	53	47	58	52	47	56	51	47	45
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	40
8	65	52	44	39	63	52	44	39	50	43	39	49	43	38	48	42	38	36
9	61	48	41	35	60	48	40	35	47	40	35	46	39	35	45	39	35	33
10	57	45	37	32	56	44	37	32	43	37	32	43	36	32	42	36	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	69527	69527	69527
5°	74894	69138	63047
10°	77926	68268	55946
15°	76903	66887	48556
20°	73468	65088	40310
25°	69480	62785	34560
30°	64568	60402	30676
35°	59056	57256	28027
40°	53305	53731	26546
45°	47304	50552	25280
50°	41329	46942	24491
55°	36591	43450	23727
60°	31159	39679	23291
65°	26382	35691	23279
70°	20143	30692	23005
75°	13939	24703	22812
80°	8491	15103	20777
85°	1871	1871	5614



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.7	5.0
10°-20°	269.7	13.5
20°-30°	364.8	18.2
30°-40°	383.9	19.2
40°-50°	343.6	17.2
50°-60°	268.1	13.4
60°-70°	177.8	8.9
70°-80°	84.8	4.2
80°-90°	11.2	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°	734.1	36.6
0°-40°	1118.0	55.8
0°-60°	1729.7	86.3
0°-90°	2003.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2003.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1066	1066	1066	1066	1066	
5°	1144	1118	1056	993	963	110
15°	1139	1131	990	802	719	319
25°	965	988	872	581	480	443
35°	742	774	719	410	352	463
45°	513	545	548	299	274	397
55°	322	342	382	221	209	287
65°	171	184	231	151	151	170
75°	55	68	98	86	90	62
85°	2	2	2	8	8	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°	1065.7	1065.7	1065.7	1065.7	1065.7	1065.7	1065.7	1065.7	1065.7
2.5°	1108.4	1103.4	1095.9	1078.3	1060.7	1043.1	1030.5	1020.5	1018.0
5°	1143.6	1136.1	1118.5	1090.8	1055.7	1023.0	992.8	972.7	962.7
7.5°	1168.8	1158.7	1133.6	1095.9	1045.6	992.8	950.1	917.4	914.9
10°	1176.3	1168.8	1143.6	1095.9	1030.5	965.2	902.3	859.6	844.5
12.5°	1163.7	1161.2	1143.6	1090.8	1012.9	930.0	854.6	799.3	779.2
15°	1138.6	1138.6	1131.1	1080.8	990.3	894.8	801.8	739.0	718.9
17.5°	1100.9	1103.4	1105.9	1065.7	965.2	852.1	749.0	676.1	648.5
20°	1058.2	1065.7	1070.7	1043.1	937.5	811.9	693.7	605.7	580.6
22.5°	1015.4	1020.5	1030.5	1018.0	907.4	769.1	638.4	550.5	527.8
25°	965.2	970.2	987.8	985.3	872.2	726.4	580.6	502.7	480.1
27.5°	912.4	919.9	935.0	945.1	837.0	681.2	535.4	460.0	439.9
30°	857.1	864.6	884.7	902.3	801.8	635.9	490.1	422.3	407.2
32.5°	799.3	806.8	829.4	854.6	759.1	590.7	447.4	392.1	377.0
35°	741.5	749.0	774.2	799.3	718.9	545.4	409.7	364.5	351.9
37.5°	683.7	691.2	716.3	749.0	676.1	505.2	379.5	339.3	331.8
40°	625.9	633.4	658.5	696.2	630.9	460.0	349.4	316.7	311.7
42.5°	568.0	578.1	600.7	640.9	588.2	419.8	324.2	299.1	291.6
45°	512.7	520.3	545.4	590.7	547.9	382.0	299.1	279.0	274.0
47.5°	462.5	465.0	492.6	537.9	505.2	346.9	279.0	261.4	256.4
50°	407.2	417.2	439.9	487.6	462.5	314.2	258.9	243.8	241.3
52.5°	364.5	367.0	389.6	439.9	422.3	284.0	238.8	228.7	223.7
55°	321.7	326.8	341.8	389.6	382.0	256.4	221.2	211.1	208.6
57.5°	276.5	281.5	296.6	344.3	344.3	231.2	201.1	193.5	193.5
60°	238.8	243.8	256.4	299.1	304.1	208.6	186.0	181.0	178.5
62.5°	206.1	208.6	218.7	258.9	268.9	183.5	168.4	165.9	163.4
65°	170.9	173.4	183.5	218.7	231.2	163.4	150.8	150.8	150.8
67.5°	138.2	140.8	150.8	178.5	196.1	140.8	135.7	135.7	135.7
70°	105.6	110.6	120.6	143.3	160.9	120.6	118.1	120.6	120.6
72.5°	77.9	82.9	93.0	113.1	130.7	100.5	103.1	105.6	108.1
75°	55.3	57.8	67.9	82.9	98.0	80.4	85.5	88.0	90.5
77.5°	37.7	40.2	45.2	57.8	70.4	60.3	65.4	70.4	75.4
80°	22.6	22.6	25.1	32.7	40.2	40.2	45.2	52.8	55.3
82.5°	10.1	10.1	12.6	15.1	17.6	20.1	25.1	27.6	27.6
85°	2.5	2.5	2.5	2.5	2.5	5.0	7.5	7.5	7.5
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)