

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: P303542

Luminaire Tested: **PR6FS24D010 PR6M24WW9FSBZ 2000Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303542
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-9)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR6FS24D010 PR6M24WW9FSBZ 2000lm3000K
Description: PR6 WALLWASH ASSEMBLY WITH, BRONZE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1564.5 lumens
Efficiency: N/A
Efficacy: 71.1 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 1.13 / 1.12
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

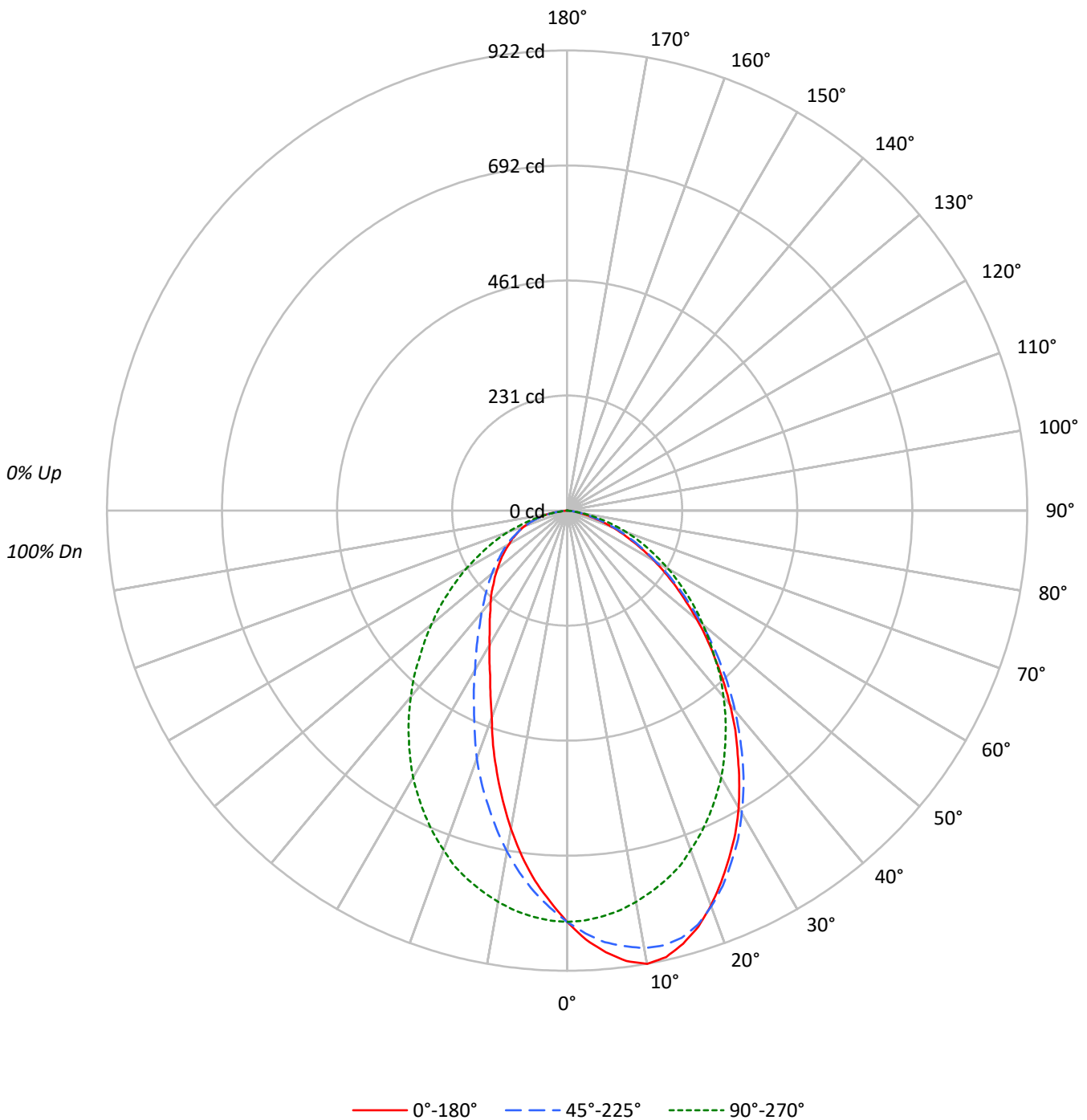
Input Watts (W): 22
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	74	70	67	65					65			
4	86	75	68	61	84	74	67	61	72	65	60	70	64	59	67	63	59	57					57			
5	80	68	60	54	78	67	59	54	65	58	53	63	57	53	61	56	52	50					50			
6	74	62	54	48	73	61	53	48	59	52	47	58	52	47	56	51	47	45					45			
7	69	57	49	43	68	56	48	43	54	48	42	53	47	42	52	46	42	40					40			
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	36					36			
9	61	48	41	35	59	48	40	35	47	40	35	46	39	35	45	39	35	33					33			
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30					30			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	53765	53765	53765
5°	58168	53446	48718
10°	61100	52733	42902
15°	60673	51730	36702
20°	58465	50252	30625
25°	55277	48496	26267
30°	51807	46526	23414
35°	47428	44075	21560
40°	43205	41493	20321
45°	38668	38668	19237
50°	34397	36021	18523
55°	30335	33293	18017
60°	26422	30611	17524
65°	21983	27555	17336
70°	17969	24092	17206
75°	12629	19208	16183
80°	8303	12060	13563
85°	1497	1497	2994



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.1	4.9
10°-20°	209.2	13.4
20°-30°	283.9	18.1
30°-40°	299.9	19.2
40°-50°	269.3	17.2
50°-60°	210.3	13.4
60°-70°	139.9	8.9
70°-80°	66.6	4.3
80°-90°	8.3	0.5
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°	570.2	36.4
0°-40°	870.1	55.6
0°-60°	1349.6	86.3
0°-90°	1564.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1564.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	824	824	824	824	824	
5°	888	868	816	766	744	86
15°	898	886	766	612	543	252
25°	768	778	674	441	365	353
35°	596	614	553	313	271	373
45°	419	435	419	229	208	324
55°	267	275	293	166	158	239
65°	142	150	178	114	112	144
75°	50	58	76	62	64	56
85°	2	2	2	2	4	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°	824.1	824.1	824.1	824.1	824.1	824.1	824.1	824.1	824.1
2.5°	860.2	856.2	848.1	836.1	822.1	808.0	796.0	790.0	784.0
5°	888.2	882.2	868.2	844.1	816.1	790.0	765.9	749.9	743.9
7.5°	910.3	902.3	880.2	848.1	808.0	765.9	731.8	705.8	697.8
10°	922.3	914.3	890.2	848.1	796.0	741.9	693.8	659.7	647.6
12.5°	916.3	912.3	892.3	846.1	782.0	713.8	653.6	613.5	595.5
15°	898.3	898.3	886.2	838.1	765.9	687.7	611.5	561.4	543.4
17.5°	874.2	876.2	870.2	828.1	747.9	653.6	571.4	513.3	493.2
20°	842.1	844.1	844.1	812.0	723.8	621.6	529.3	461.2	441.1
22.5°	806.0	810.0	814.1	792.0	699.8	589.5	483.2	419.1	401.0
25°	767.9	771.9	778.0	767.9	673.7	555.4	441.1	381.0	364.9
27.5°	729.8	731.8	741.9	739.9	645.6	521.3	405.0	350.9	336.9
30°	687.7	691.7	699.8	707.8	617.6	485.2	368.9	324.8	310.8
32.5°	641.6	645.6	657.7	667.7	585.5	451.1	338.9	298.8	288.7
35°	595.5	599.5	613.5	627.6	553.4	417.1	312.8	278.7	270.7
37.5°	553.4	557.4	567.4	587.5	521.3	383.0	286.7	260.7	252.6
40°	507.3	511.3	523.3	547.4	487.2	350.9	266.7	242.6	238.6
42.5°	463.2	467.2	479.2	505.3	455.1	320.8	246.6	228.6	224.6
45°	419.1	421.1	435.1	461.2	419.1	290.7	228.6	212.5	208.5
47.5°	379.0	381.0	393.0	423.1	387.0	264.7	212.5	198.5	196.5
50°	338.9	336.9	350.9	381.0	354.9	240.6	196.5	186.5	182.5
52.5°	300.8	300.8	310.8	342.9	324.8	218.6	182.5	172.4	170.4
55°	266.7	266.7	274.7	306.8	292.7	196.5	166.4	160.4	158.4
57.5°	232.6	232.6	240.6	268.7	262.7	176.4	154.4	146.4	146.4
60°	202.5	200.5	206.5	236.6	234.6	158.4	140.4	136.3	134.3
62.5°	172.4	170.4	176.4	202.5	204.5	140.4	128.3	124.3	124.3
65°	142.4	144.4	150.4	172.4	178.5	124.3	114.3	114.3	112.3
67.5°	118.3	120.3	124.3	144.4	152.4	108.3	102.3	102.3	102.3
70°	94.2	96.2	100.3	116.3	126.3	92.2	88.2	90.2	90.2
72.5°	72.2	74.2	78.2	90.2	100.3	76.2	76.2	78.2	78.2
75°	50.1	52.1	58.1	68.2	76.2	60.2	62.2	64.2	64.2
77.5°	34.1	34.1	38.1	46.1	54.1	44.1	48.1	50.1	52.1
80°	22.1	22.1	24.1	28.1	32.1	30.1	32.1	36.1	36.1
82.5°	10.0	10.0	12.0	12.0	14.0	14.0	16.0	16.0	18.0
85°	2.0	4.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0
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)