

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: P303518

Luminaire Tested: **PR6FS24D010 PR6M24WW9FSMMS 3000Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303518
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 PR6M24WW9FSMMS 3000Lm3000K
Description: PR6 WALLWASH ASSEMBLY WITH, MATTE METALLIC SILVER FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2036.0 lumens
Efficiency: N/A
Efficacy: 71.4 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

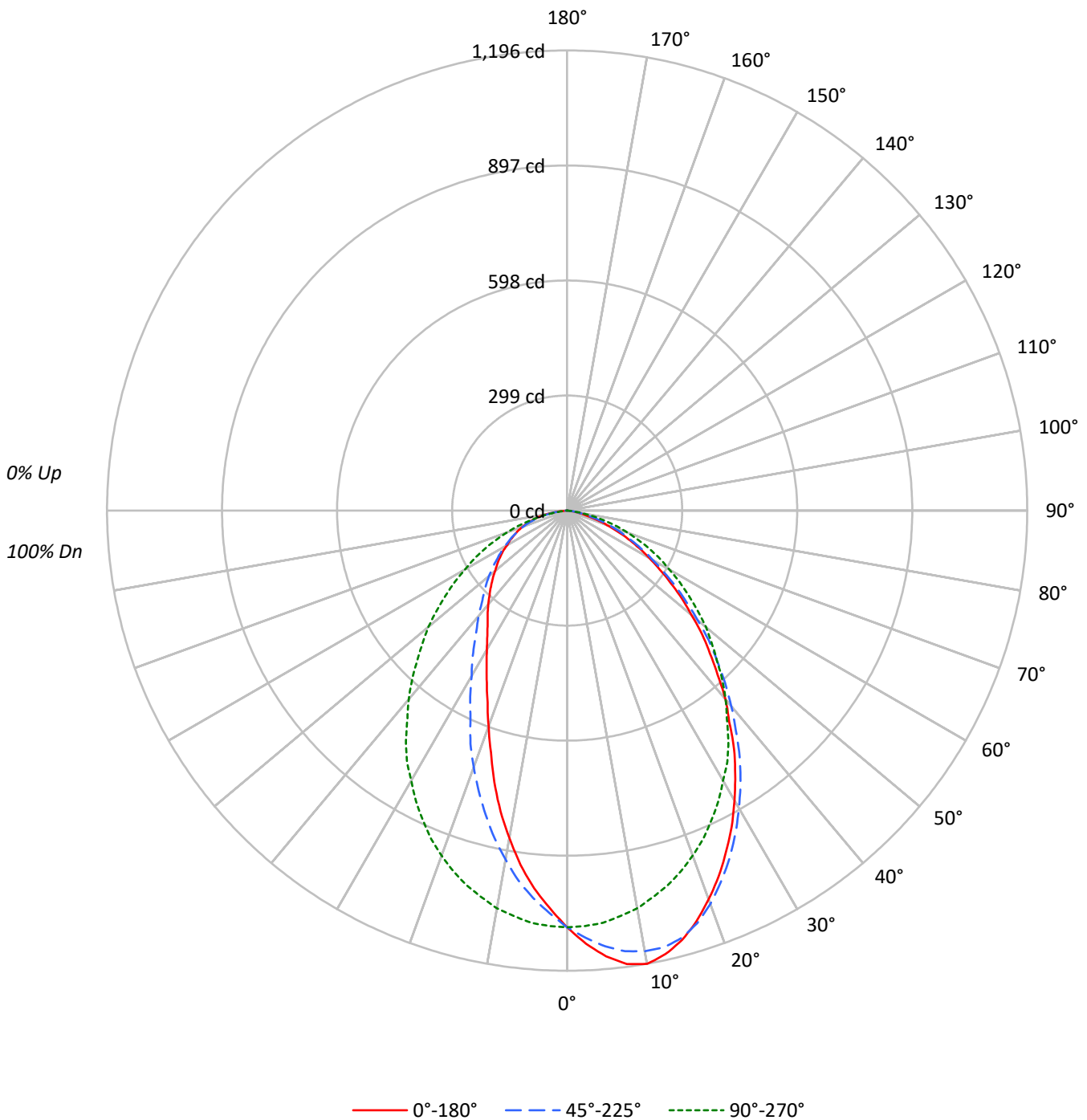
Input Watts (W): 28.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	70662	70662	70662
5°	76158	70428	64534
10°	79258	69540	57271
15°	78025	68116	49353
20°	74662	66269	41441
25°	70380	63894	35561
30°	65510	61050	31399
35°	60243	58196	28688
40°	54557	54557	27168
45°	48429	50801	25871
50°	42821	47785	24806
55°	37456	43894	24284
60°	32229	39953	23500
65°	27015	36540	23434
70°	21097	31894	23558
75°	14267	25283	22686
80°	8716	15479	20288
85°	1946	1946	5764



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.5	5.0
10°-20°	274.4	13.5
20°-30°	370.8	18.2
30°-40°	389.8	19.1
40°-50°	348.8	17.1
50°-60°	272.0	13.4
60°-70°	180.9	8.9
70°-80°	86.5	4.3
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°	746.7	36.7
0°-40°	1136.5	55.8
0°-60°	1757.3	86.3
0°-90°	2036.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2036.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1083	1083	1083	1083	1083	
5°	1163	1137	1075	1011	985	112
15°	1155	1150	1008	818	731	324
25°	978	998	888	594	494	449
35°	756	782	731	419	360	471
45°	525	551	551	306	280	406
55°	329	345	386	224	214	296
65°	175	185	237	154	152	174
75°	57	70	100	85	90	64
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°	1083.1	1083.1	1083.1	1083.1	1083.1	1083.1	1083.1	1083.1	1083.1
2.5°	1126.9	1121.7	1111.4	1098.6	1080.6	1062.6	1047.1	1039.4	1034.3
5°	1162.9	1155.2	1137.2	1108.9	1075.4	1042.0	1011.1	993.1	985.4
7.5°	1188.6	1178.3	1155.2	1114.0	1062.6	1013.7	969.9	936.5	928.8
10°	1196.4	1188.6	1162.9	1116.6	1049.7	982.8	921.1	879.9	864.5
12.5°	1180.9	1180.9	1162.9	1108.9	1029.1	946.8	872.2	818.2	800.1
15°	1155.2	1152.6	1150.0	1098.6	1008.5	908.2	818.2	756.4	730.7
17.5°	1119.2	1119.2	1124.3	1080.6	982.8	867.0	764.1	689.5	658.6
20°	1075.4	1080.6	1088.3	1060.0	954.5	828.4	710.1	625.2	596.9
22.5°	1029.1	1031.7	1044.6	1031.7	923.6	782.1	656.1	563.4	540.3
25°	977.7	985.4	998.2	995.7	887.6	738.4	594.3	514.6	494.0
27.5°	926.2	933.9	946.8	959.7	851.6	694.7	545.4	470.8	452.8
30°	869.6	874.8	892.8	910.8	810.4	645.8	496.6	434.8	416.8
32.5°	813.0	820.7	838.7	861.9	774.4	602.0	458.0	401.4	385.9
35°	756.4	761.5	782.1	810.4	730.7	558.3	419.4	373.1	360.2
37.5°	692.1	699.8	720.4	753.8	681.8	514.6	385.9	347.3	339.6
40°	640.6	643.2	663.8	699.8	640.6	473.4	357.6	326.7	319.0
42.5°	578.9	586.6	607.2	648.3	596.9	427.1	329.3	303.6	298.4
45°	524.9	530.0	550.6	594.3	550.6	391.1	306.2	285.6	280.4
47.5°	476.0	473.4	499.1	540.3	509.4	352.5	285.6	265.0	262.4
50°	421.9	421.9	442.5	488.8	470.8	321.6	265.0	249.6	244.4
52.5°	375.6	373.1	391.1	442.5	427.1	290.7	244.4	231.6	229.0
55°	329.3	331.9	344.8	393.6	385.9	262.4	223.8	216.1	213.5
57.5°	285.6	288.2	298.4	344.8	347.3	236.7	205.8	198.1	198.1
60°	247.0	247.0	257.3	301.0	306.2	211.0	187.8	182.7	180.1
62.5°	211.0	211.0	221.3	257.3	272.7	187.8	169.8	167.2	167.2
65°	175.0	177.5	185.2	218.7	236.7	167.2	154.4	154.4	151.8
67.5°	141.5	144.1	154.4	185.2	200.7	146.6	136.4	138.9	138.9
70°	110.6	115.8	126.1	146.6	167.2	123.5	120.9	123.5	123.5
72.5°	82.3	87.5	97.8	115.8	133.8	102.9	102.9	105.5	108.1
75°	56.6	59.2	69.5	84.9	100.3	82.3	84.9	90.0	90.0
77.5°	38.6	41.2	46.3	56.6	69.5	61.7	66.9	72.0	74.6
80°	23.2	23.2	28.3	33.4	41.2	41.2	46.3	51.5	54.0
82.5°	10.3	10.3	12.9	15.4	18.0	20.6	25.7	25.7	28.3
85°	2.6	2.6	2.6	2.6	2.6	5.1	5.1	5.1	7.7
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)