

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: P303520

Luminaire Tested: **PR6FS24D010 PR6M24WW9FSMMS 3000Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303520
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 3000Lm4000K
Description: PR6 WALLWASH ASSEMBLY WITH, MATTE METALLIC SILVER FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1988.9 lumens
Efficiency: N/A
Efficacy: 69.8 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

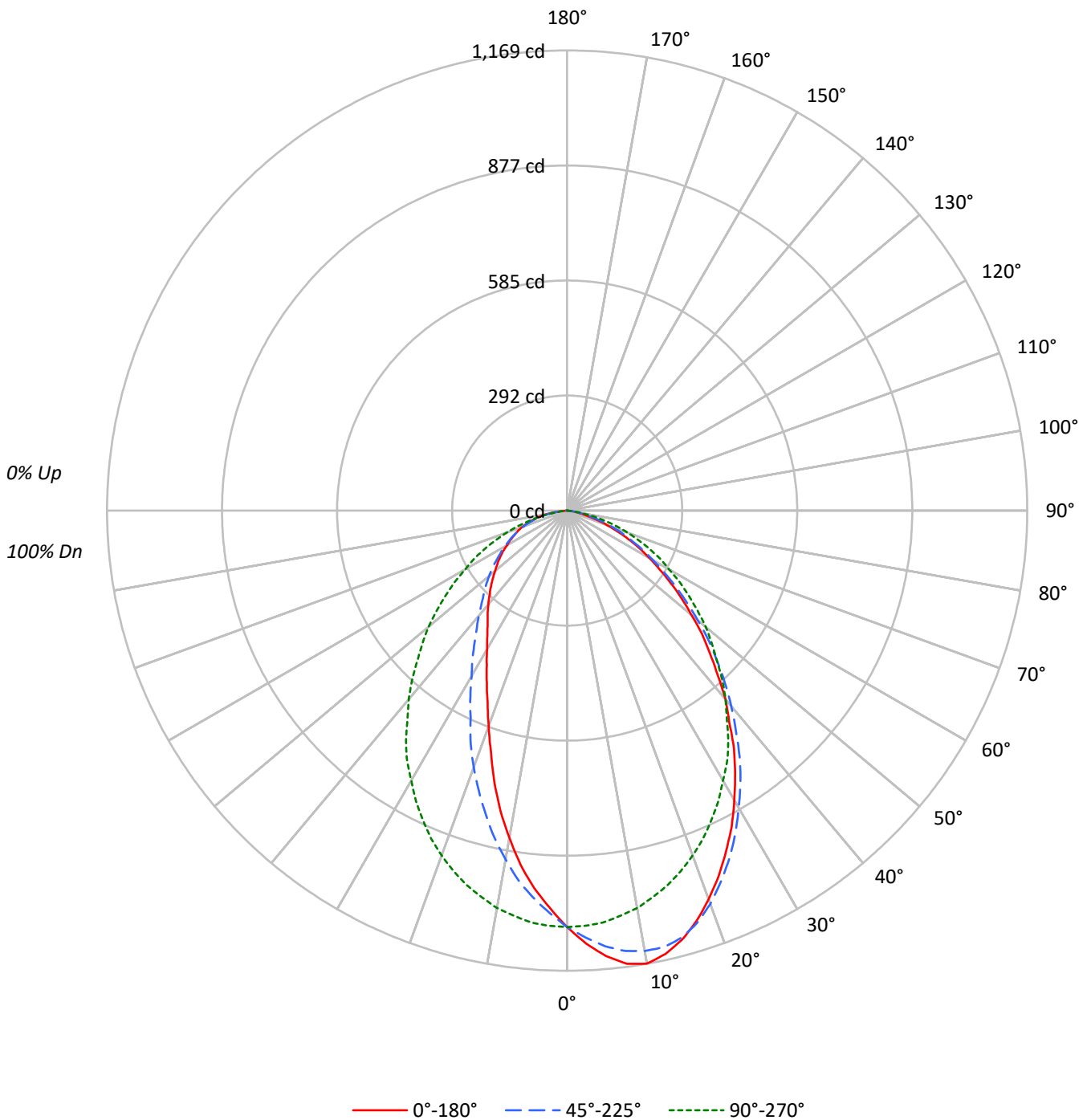
Input Watts (W): 28.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	69031	69031	69031
5°	74396	68804	63041
10°	77423	67930	55946
15°	76221	66542	48212
20°	72941	64734	40483
25°	68753	62418	34740
30°	63996	59641	30676
35°	58849	56850	28027
40°	53297	53297	26538
45°	47304	49620	25280
50°	41837	46678	24237
55°	36591	42881	23727
60°	31485	39027	22952
65°	26382	35691	22893
70°	20620	31169	23005
75°	13939	24703	22182
80°	8491	15103	19837
85°	1871	1871	5614



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.2	5.0
10°-20°	268.1	13.5
20°-30°	362.2	18.2
30°-40°	380.7	19.1
40°-50°	340.7	17.1
50°-60°	265.7	13.4
60°-70°	176.7	8.9
70°-80°	84.5	4.3
80°-90°	11.0	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°	729.5	36.7
0°-40°	1110.2	55.8
0°-60°	1716.7	86.3
0°-90°	1988.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1988.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1058	1058	1058	1058	1058	
5°	1136	1111	1051	988	963	109
15°	1128	1123	985	799	714	316
25°	955	975	867	581	483	439
35°	739	764	714	410	352	460
45°	513	538	538	299	274	397
55°	322	337	377	219	209	289
65°	171	181	231	151	148	170
75°	55	68	98	83	88	63
85°	2	2	2	5	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°	1058.1	1058.1	1058.1	1058.1	1058.1	1058.1	1058.1	1058.1	1058.1
2.5°	1100.8	1095.8	1085.7	1073.2	1055.6	1038.0	1022.9	1015.4	1010.3
5°	1136.0	1128.5	1110.9	1083.2	1050.6	1017.9	987.7	970.1	962.6
7.5°	1161.1	1151.1	1128.5	1088.3	1038.0	990.2	947.5	914.8	907.3
10°	1168.7	1161.1	1136.0	1090.8	1025.4	960.1	899.8	859.5	844.5
12.5°	1153.6	1153.6	1136.0	1083.2	1005.3	924.9	852.0	799.2	781.6
15°	1128.5	1126.0	1123.4	1073.2	985.2	887.2	799.2	738.9	713.8
17.5°	1093.3	1093.3	1098.3	1055.6	960.1	847.0	746.5	673.6	643.4
20°	1050.6	1055.6	1063.1	1035.5	932.4	809.3	693.7	610.7	583.1
22.5°	1005.3	1007.8	1020.4	1007.8	902.3	764.0	640.9	550.4	527.8
25°	955.1	962.6	975.2	972.6	867.1	721.3	580.6	502.7	482.6
27.5°	904.8	912.3	924.9	937.5	831.9	678.6	532.8	459.9	442.3
30°	849.5	854.5	872.1	889.7	791.7	630.8	485.1	424.7	407.2
32.5°	794.2	801.7	819.3	842.0	756.5	588.1	447.4	392.1	377.0
35°	738.9	743.9	764.0	791.7	713.8	545.4	409.7	364.4	351.9
37.5°	676.1	683.6	703.7	736.4	666.0	502.7	377.0	339.3	331.8
40°	625.8	628.3	648.4	683.6	625.8	462.4	349.3	319.2	311.6
42.5°	565.5	573.0	593.1	633.4	583.1	417.2	321.7	296.6	291.5
45°	512.7	517.7	537.8	580.6	537.8	382.0	299.1	279.0	274.0
47.5°	465.0	462.4	487.6	527.8	497.6	344.3	279.0	258.9	256.4
50°	412.2	412.2	432.3	477.5	459.9	314.2	258.9	243.8	238.8
52.5°	366.9	364.4	382.0	432.3	417.2	284.0	238.8	226.2	223.7
55°	321.7	324.2	336.8	384.5	377.0	256.4	218.7	211.1	208.6
57.5°	279.0	281.5	291.5	336.8	339.3	231.2	201.1	193.5	193.5
60°	241.3	241.3	251.3	294.1	299.1	206.1	183.5	178.4	175.9
62.5°	206.1	206.1	216.1	251.3	266.4	183.5	165.9	163.4	163.4
65°	170.9	173.4	181.0	213.6	231.2	163.4	150.8	150.8	148.3
67.5°	138.2	140.7	150.8	181.0	196.0	143.3	133.2	135.7	135.7
70°	108.1	113.1	123.2	143.3	163.4	120.6	118.1	120.6	120.6
72.5°	80.4	85.5	95.5	113.1	130.7	100.5	100.5	103.0	105.6
75°	55.3	57.8	67.9	82.9	98.0	80.4	82.9	88.0	88.0
77.5°	37.7	40.2	45.2	55.3	67.9	60.3	65.3	70.4	72.9
80°	22.6	22.6	27.6	32.7	40.2	40.2	45.2	50.3	52.8
82.5°	10.1	10.1	12.6	15.1	17.6	20.1	25.1	25.1	27.6
85°	2.5	2.5	2.5	2.5	2.5	5.0	5.0	5.0	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)