

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: P303488

Luminaire Tested: **PR6FS24D010 PR6M24WW9FSMW 3000Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303488
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 3000Lm3000K
Description: PR6 WALLWASH ASSEMBLY WITH, MATTE WHITE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2050.9 lumens
Efficiency: N/A
Efficacy: 72.0 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

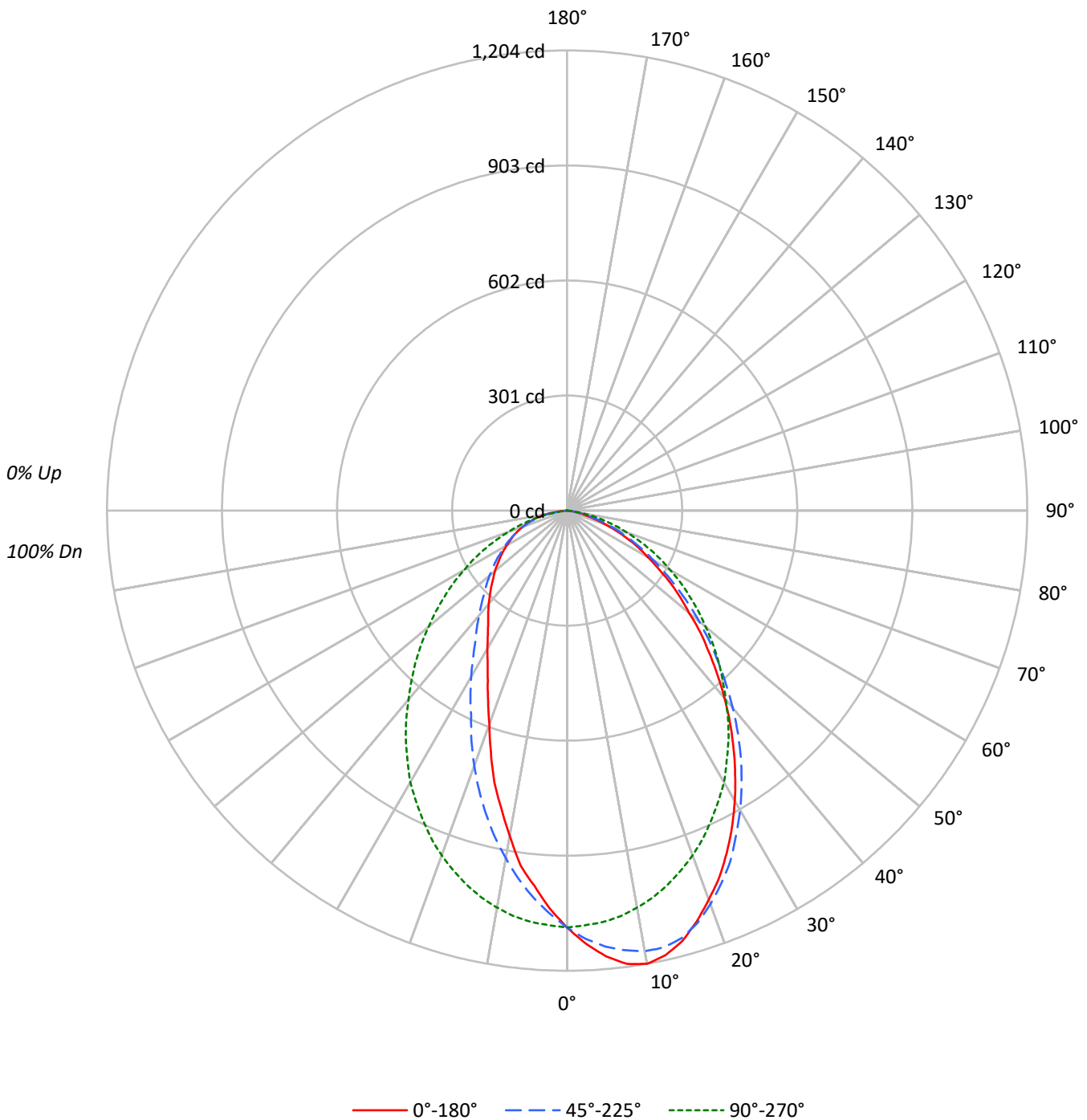
Input Watts (W): 28.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	61	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	32	56	44	37	32	43	37	32	43	36	32	42	36	32	30					30			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	71171	71171	71171
5°	76669	70775	64540
10°	79775	69884	57271
15°	78727	68474	49704
20°	75204	66630	41268
25°	71121	64268	35373
30°	66098	61834	31399
35°	60450	58610	28688
40°	54566	55000	27168
45°	48429	51751	25880
50°	42304	48048	25070
55°	37456	44485	24296
60°	31890	40619	23839
65°	27015	36540	23835
70°	20620	31417	23558
75°	14267	25283	23342
80°	8716	15479	21265
85°	1946	1946	5764



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.0	5.0
10°-20°	276.1	13.5
20°-30°	373.4	18.2
30°-40°	393.0	19.2
40°-50°	351.7	17.2
50°-60°	274.5	13.4
60°-70°	182.0	8.9
70°-80°	86.8	4.2
80°-90°	11.5	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°	751.5	36.6
0°-40°	1144.4	55.8
0°-60°	1770.6	86.3
0°-90°	2050.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2050.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1091	1091	1091	1091	1091	
5°	1171	1145	1081	1016	986	113
15°	1166	1158	1014	821	736	326
25°	988	1011	893	594	491	453
35°	759	792	736	419	360	474
45°	525	558	561	306	280	406
55°	329	350	391	226	214	294
65°	175	188	237	154	154	174
75°	57	70	100	88	93	63
85°	3	3	3	8	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°	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9
2.5°	1134.7	1129.5	1121.8	1103.8	1085.8	1067.8	1054.9	1044.6	1042.1
5°	1170.7	1163.0	1145.0	1116.7	1080.7	1047.2	1016.3	995.7	985.5
7.5°	1196.4	1186.1	1160.4	1121.8	1070.4	1016.3	972.6	939.1	936.6
10°	1204.2	1196.4	1170.7	1121.8	1054.9	988.0	923.7	880.0	864.5
12.5°	1191.3	1188.7	1170.7	1116.7	1036.9	952.0	874.8	818.2	797.6
15°	1165.6	1165.6	1157.8	1106.4	1013.8	916.0	820.8	756.5	735.9
17.5°	1127.0	1129.5	1132.1	1090.9	988.0	872.2	766.7	692.1	663.8
20°	1083.2	1090.9	1096.1	1067.8	959.7	831.1	710.1	620.1	594.4
22.5°	1039.5	1044.6	1054.9	1042.1	928.8	787.3	653.5	563.5	540.3
25°	988.0	993.2	1011.2	1008.6	892.8	743.6	594.4	514.6	491.4
27.5°	934.0	941.7	957.1	967.4	856.8	697.3	548.0	470.9	450.3
30°	877.4	885.1	905.7	923.7	820.8	651.0	501.7	432.3	416.8
32.5°	818.2	825.9	849.1	874.8	777.0	604.6	458.0	401.4	385.9
35°	759.0	766.7	792.5	818.2	735.9	558.3	419.4	373.1	360.2
37.5°	699.8	707.6	733.3	766.7	692.1	517.2	388.5	347.4	339.6
40°	640.7	648.4	674.1	712.7	645.8	470.9	357.6	324.2	319.0
42.5°	581.5	591.8	614.9	656.1	602.1	429.7	331.9	306.2	298.5
45°	524.9	532.6	558.3	604.6	560.9	391.1	306.2	285.6	280.5
47.5°	473.4	476.0	504.3	550.6	517.2	355.1	285.6	267.6	262.4
50°	416.8	427.1	450.3	499.2	473.4	321.6	265.0	249.6	247.0
52.5°	373.1	375.7	398.8	450.3	432.3	290.7	244.4	234.1	229.0
55°	329.3	334.5	349.9	398.8	391.1	262.4	226.4	216.1	213.6
57.5°	283.0	288.2	303.6	352.5	352.5	236.7	205.8	198.1	198.1
60°	244.4	249.6	262.4	306.2	311.3	213.6	190.4	185.3	182.7
62.5°	211.0	213.6	223.8	265.0	275.3	187.8	172.4	169.8	167.2
65°	175.0	177.5	187.8	223.8	236.7	167.2	154.4	154.4	154.4
67.5°	141.5	144.1	154.4	182.7	200.7	144.1	138.9	138.9	138.9
70°	108.1	113.2	123.5	146.7	164.7	123.5	120.9	123.5	123.5
72.5°	79.8	84.9	95.2	115.8	133.8	102.9	105.5	108.1	110.6
75°	56.6	59.2	69.5	84.9	100.3	82.3	87.5	90.1	92.6
77.5°	38.6	41.2	46.3	59.2	72.0	61.8	66.9	72.0	77.2
80°	23.2	23.2	25.7	33.4	41.2	41.2	46.3	54.0	56.6
82.5°	10.3	10.3	12.9	15.4	18.0	20.6	25.7	28.3	28.3
85°	2.6	2.6	2.6	2.6	2.6	5.1	7.7	7.7	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)