

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: P303489

Luminaire Tested: **PR6FS24D010 PR6M24WW9FSMW 3000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303489
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 3000Lm3500K
Description: PR6 WALLWASH ASSEMBLY WITH, MATTE WHITE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2221.8 lumens
Efficiency: N/A
Efficacy: 85.1 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

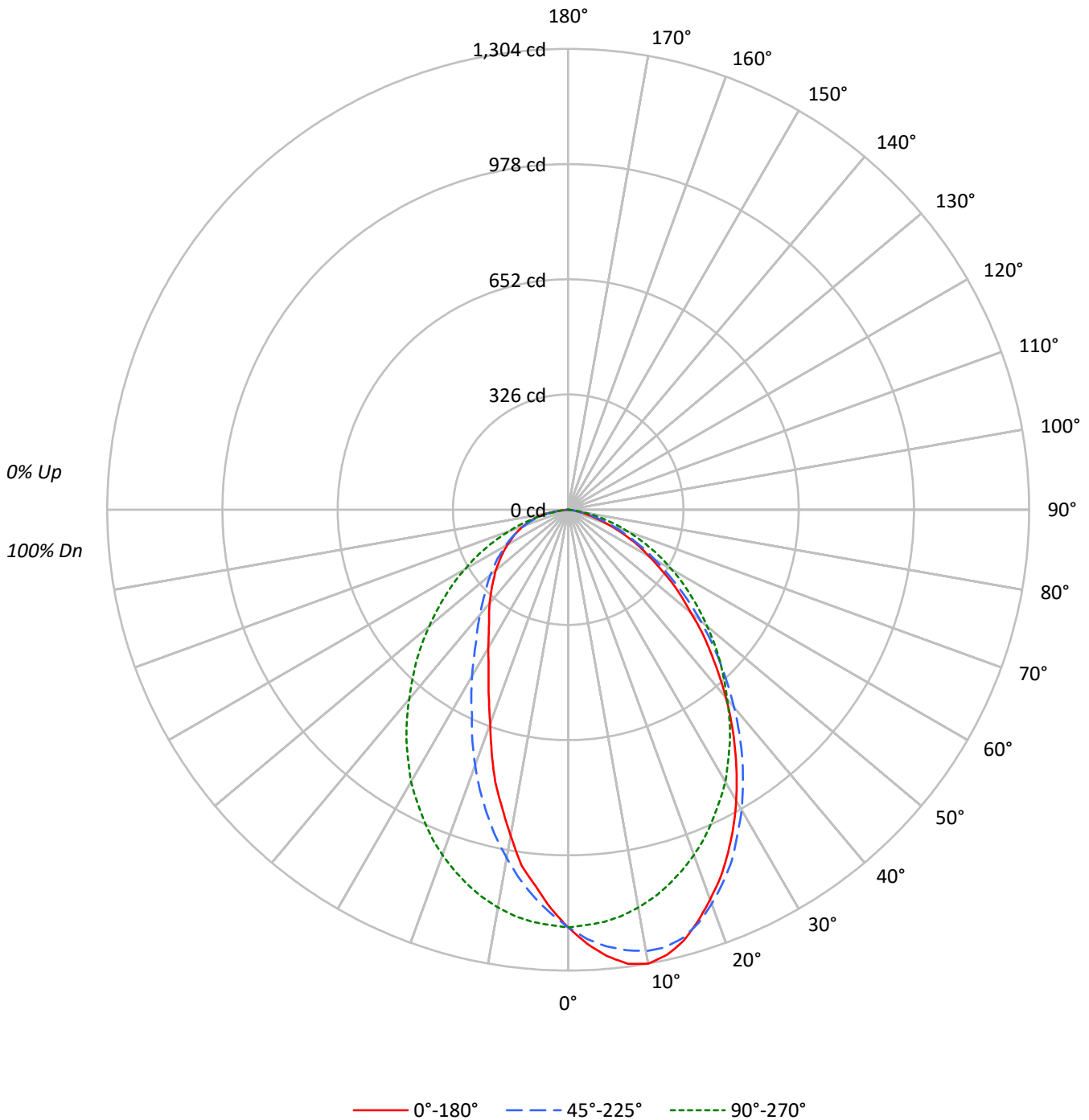
Input Watts (W): 26.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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CATALOG NUMBER: PR6F524D010 PR6M24WW9FSMW 3000Lm3500K

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°	77101	77101	77101
5°	83054	76669	69910
10°	86419	75707	62040
15°	85285	74175	53845
20°	81473	72184	44704
25°	77046	69624	38325
30°	71604	66986	34013
35°	65491	63492	31077
40°	59105	59582	29433
45°	52461	56060	28030
50°	45826	52058	27160
55°	40584	48193	26309
60°	34551	44011	25822
65°	29254	39581	25811
70°	22337	34030	25522
75°	15452	27400	25283
80°	9430	16756	23031
85°	2096	2096	6288



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.5	5.0
10°-20°	299.0	13.5
20°-30°	404.5	18.2
30°-40°	425.7	19.2
40°-50°	381.1	17.2
50°-60°	297.3	13.4
60°-70°	197.1	8.9
70°-80°	94.0	4.2
80°-90°	12.5	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°	814.1	36.6
0°-40°	1239.8	55.8
0°-60°	1918.2	86.3
0°-90°	2221.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2221.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1182	1182	1182	1182	1182	
5°	1268	1240	1171	1101	1068	122
15°	1263	1254	1098	889	797	353
25°	1070	1095	967	644	532	491
35°	822	858	797	454	390	513
45°	569	605	608	332	304	440
55°	357	379	424	245	231	318
65°	190	204	256	167	167	188
75°	61	75	109	95	100	69
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°	1181.8	1181.8	1181.8	1181.8	1181.8	1181.8	1181.8	1181.8	1181.8
2.5°	1229.2	1223.6	1215.3	1195.8	1176.3	1156.7	1142.8	1131.7	1128.9
5°	1268.2	1259.9	1240.4	1209.7	1170.7	1134.4	1101.0	1078.7	1067.5
7.5°	1296.1	1285.0	1257.1	1215.3	1159.5	1101.0	1053.6	1017.4	1014.6
10°	1304.5	1296.1	1268.2	1215.3	1142.8	1070.3	1000.7	953.3	936.5
12.5°	1290.5	1287.7	1268.2	1209.7	1123.3	1031.3	947.7	886.4	864.1
15°	1262.7	1262.7	1254.3	1198.6	1098.2	992.3	889.2	819.5	797.2
17.5°	1220.8	1223.6	1226.4	1181.8	1070.3	944.9	830.6	749.8	719.1
20°	1173.5	1181.8	1187.4	1156.7	1039.7	900.3	769.3	671.7	643.9
22.5°	1126.1	1131.7	1142.8	1128.9	1006.2	852.9	708.0	610.4	585.3
25°	1070.3	1075.9	1095.4	1092.6	967.2	805.5	643.9	557.5	532.4
27.5°	1011.8	1020.2	1036.9	1048.0	928.2	755.4	593.7	510.1	487.8
30°	950.5	958.8	981.1	1000.7	889.2	705.2	543.5	468.3	451.5
32.5°	886.4	894.7	919.8	947.7	841.8	655.0	496.1	434.8	418.1
35°	822.3	830.6	858.5	886.4	797.2	604.9	454.3	404.2	390.2
37.5°	758.2	766.5	794.4	830.6	749.8	560.3	420.9	376.3	367.9
40°	694.0	702.4	730.3	772.1	699.6	510.1	387.4	351.2	345.6
42.5°	629.9	641.1	666.2	710.8	652.2	465.5	359.6	331.7	323.3
45°	568.6	577.0	604.9	655.0	607.6	423.7	331.7	309.4	303.8
47.5°	512.9	515.7	546.3	596.5	560.3	384.7	309.4	289.9	284.3
50°	451.5	462.7	487.8	540.7	512.9	348.4	287.1	270.4	267.6
52.5°	404.2	406.9	432.0	487.8	468.3	315.0	264.8	253.6	248.1
55°	356.8	362.4	379.1	432.0	423.7	284.3	245.3	234.1	231.3
57.5°	306.6	312.2	328.9	381.9	381.9	256.4	223.0	214.6	214.6
60°	264.8	270.4	284.3	331.7	337.3	231.3	206.3	200.7	197.9
62.5°	228.6	231.3	242.5	287.1	298.2	203.5	186.8	184.0	181.2
65°	189.5	192.3	203.5	242.5	256.4	181.2	167.2	167.2	167.2
67.5°	153.3	156.1	167.2	197.9	217.4	156.1	150.5	150.5	150.5
70°	117.1	122.6	133.8	158.9	178.4	133.8	131.0	133.8	133.8
72.5°	86.4	92.0	103.1	125.4	144.9	111.5	114.3	117.1	119.9
75°	61.3	64.1	75.3	92.0	108.7	89.2	94.8	97.6	100.3
77.5°	41.8	44.6	50.2	64.1	78.0	66.9	72.5	78.0	83.6
80°	25.1	25.1	27.9	36.2	44.6	44.6	50.2	58.5	61.3
82.5°	11.1	11.1	13.9	16.7	19.5	22.3	27.9	30.7	30.7
85°	2.8	2.8	2.8	2.8	2.8	5.6	8.4	8.4	8.4
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)