

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: P303549

Luminaire Tested: **PR6FS24D010 PR6M24WW9FSBZ 3000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303549
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 3000lm3500K
Description: PR6 WALLWASH ASSEMBLY WITH, BRONZE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2175.5 lumens
Efficiency: N/A
Efficacy: 83.4 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

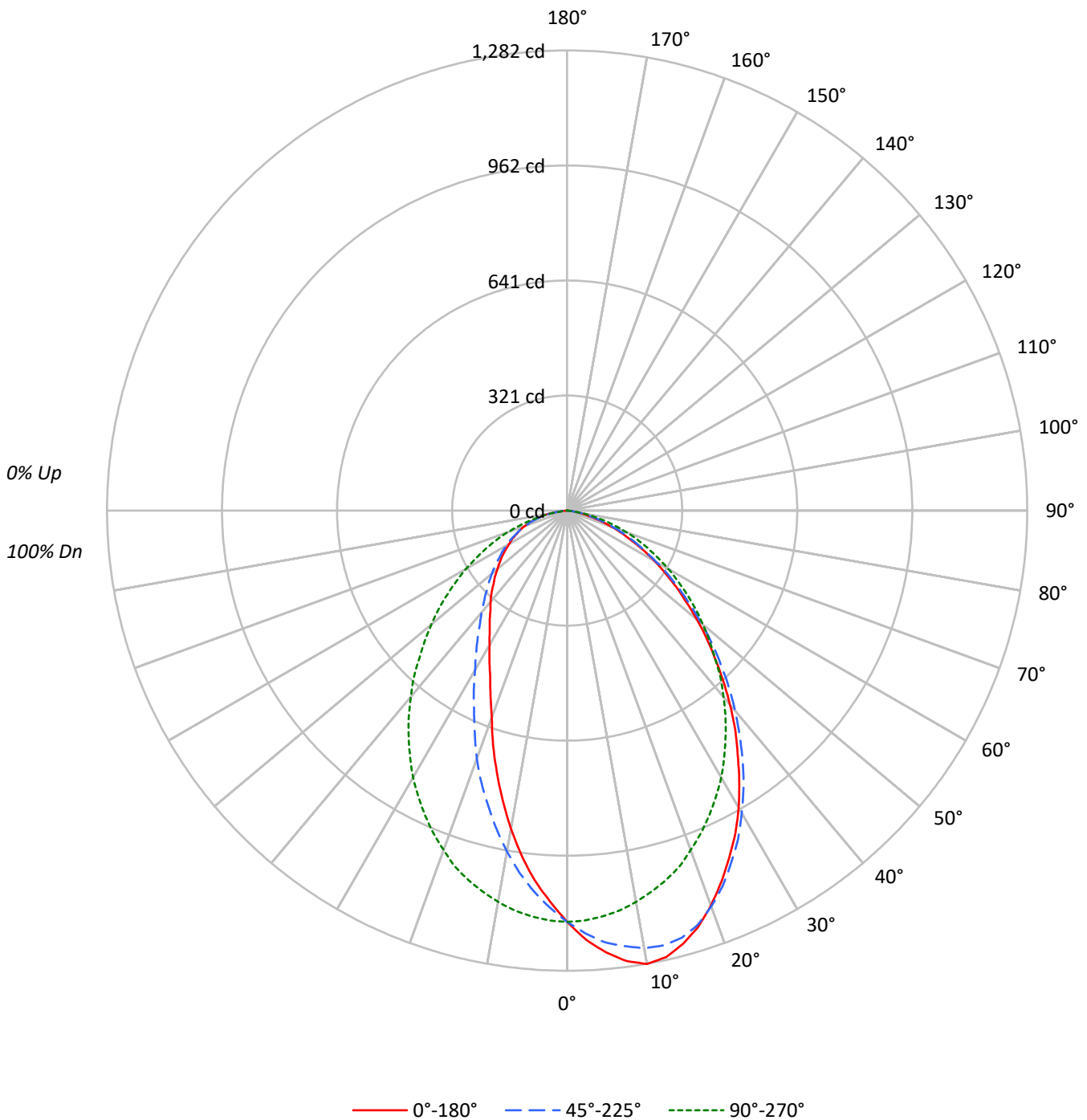
Input Watts (W): 26.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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°	74759	74759	74759
5°	80893	74318	67743
10°	84962	73329	59662
15°	84367	71939	51035
20°	81300	69879	42587
25°	76873	67436	36525
30°	72041	64696	32559
35°	65953	61286	29978
40°	60076	57700	28258
45°	53762	53762	26757
50°	47825	50088	25750
55°	42176	46305	25058
60°	36744	42563	24374
65°	30566	38300	24098
70°	24988	33515	23939
75°	17569	26694	22485
80°	11534	16756	18860
85°	2096	2096	4192



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.2	4.9
10°-20°	290.9	13.4
20°-30°	394.8	18.1
30°-40°	417.0	19.2
40°-50°	374.4	17.2
50°-60°	292.4	13.4
60°-70°	194.6	8.9
70°-80°	92.6	4.3
80°-90°	11.6	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°	792.9	36.4
0°-40°	1209.9	55.6
0°-60°	1876.7	86.3
0°-90°	2175.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2175.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1146	1146	1146	1146	1146	
5°	1235	1207	1135	1065	1034	119
15°	1249	1232	1065	850	756	350
25°	1068	1082	937	613	507	491
35°	828	853	770	435	376	518
45°	583	605	583	318	290	451
55°	371	382	407	231	220	332
65°	198	209	248	159	156	200
75°	70	81	106	86	89	79
85°	3	3	3	3	6	9
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°	1145.9	1145.9	1145.9	1145.9	1145.9	1145.9	1145.9	1145.9	1145.9
2.5°	1196.1	1190.5	1179.4	1162.7	1143.1	1123.6	1106.9	1098.5	1090.2
5°	1235.2	1226.8	1207.3	1173.8	1134.8	1098.5	1065.1	1042.8	1034.4
7.5°	1265.8	1254.7	1224.0	1179.4	1123.6	1065.1	1017.7	981.4	970.3
10°	1282.5	1271.4	1237.9	1179.4	1106.9	1031.6	964.7	917.3	900.6
12.5°	1274.2	1268.6	1240.7	1176.6	1087.4	992.6	908.9	853.2	828.1
15°	1249.1	1249.1	1232.4	1165.4	1065.1	956.3	850.4	780.7	755.6
17.5°	1215.6	1218.4	1210.1	1151.5	1040.0	908.9	794.6	713.8	685.9
20°	1171.0	1173.8	1173.8	1129.2	1006.5	864.3	736.1	641.3	613.4
22.5°	1120.8	1126.4	1132.0	1101.3	973.1	819.7	671.9	582.7	557.6
25°	1067.9	1073.4	1081.8	1067.9	936.8	772.3	613.4	529.7	507.4
27.5°	1014.9	1017.7	1031.6	1028.8	897.8	724.9	563.2	487.9	468.4
30°	956.3	961.9	973.1	984.2	858.8	674.7	513.0	451.7	432.2
32.5°	892.2	897.8	914.5	928.5	814.1	627.3	471.2	415.4	401.5
35°	828.1	833.7	853.2	872.7	769.5	579.9	435.0	387.6	376.4
37.5°	769.5	775.1	789.0	816.9	724.9	532.5	398.7	362.5	351.3
40°	705.4	711.0	727.7	761.2	677.5	487.9	370.8	337.4	331.8
42.5°	644.1	649.6	666.4	702.6	632.9	446.1	342.9	317.8	312.3
45°	582.7	585.5	605.0	641.3	582.7	404.3	317.8	295.5	290.0
47.5°	527.0	529.7	546.5	588.3	538.1	368.0	295.5	276.0	273.2
50°	471.2	468.4	487.9	529.7	493.5	334.6	273.2	259.3	253.7
52.5°	418.2	418.2	432.2	476.8	451.7	303.9	253.7	239.8	237.0
55°	370.8	370.8	382.0	426.6	407.1	273.2	231.4	223.1	220.3
57.5°	323.4	323.4	334.6	373.6	365.2	245.4	214.7	203.5	203.5
60°	281.6	278.8	287.2	329.0	326.2	220.3	195.2	189.6	186.8
62.5°	239.8	237.0	245.4	281.6	284.4	195.2	178.4	172.9	172.9
65°	198.0	200.7	209.1	239.8	248.1	172.9	158.9	158.9	156.1
67.5°	164.5	167.3	172.9	200.7	211.9	150.6	142.2	142.2	142.2
70°	131.0	133.8	139.4	161.7	175.7	128.3	122.7	125.5	125.5
72.5°	100.4	103.2	108.7	125.5	139.4	105.9	105.9	108.7	108.7
75°	69.7	72.5	80.9	94.8	105.9	83.6	86.4	89.2	89.2
77.5°	47.4	47.4	53.0	64.1	75.3	61.3	66.9	69.7	72.5
80°	30.7	30.7	33.5	39.0	44.6	41.8	44.6	50.2	50.2
82.5°	13.9	13.9	16.7	16.7	19.5	19.5	22.3	22.3	25.1
85°	2.8	5.6	2.8	2.8	2.8	2.8	2.8	5.6	5.6
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)