

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: P303548

Luminaire Tested: **PR6FS24D010 PR6M24WW9FSBZ 3000Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303548
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 3000lm3000K
Description: PR6 WALLWASH ASSEMBLY WITH, BRONZE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2008.2 lumens
Efficiency: N/A
Efficacy: 70.5 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

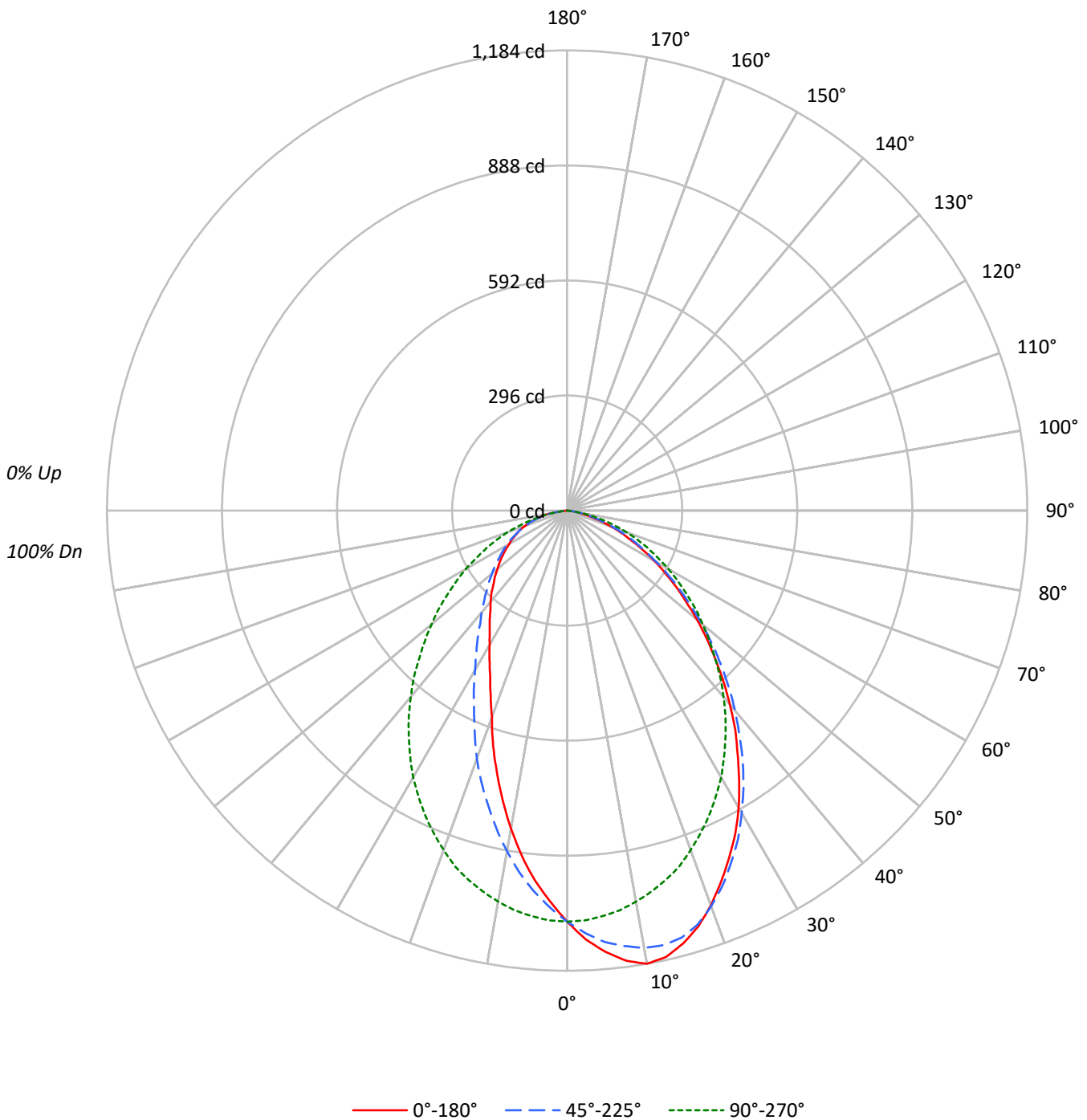
Input Watts (W): 28.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P303548

CATALOG NUMBER: PR6FS24D010 PR6M24WW9FSBZ 3000lm3000K

Luminous Intensity Polar Plot





TEST NUMBER: P303548

CATALOG NUMBER: PR6FS24D010 PR6M24WW9FSBZ 3000lm3000K

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°	69012	69012	69012
5°	74672	68601	62536
10°	78430	67691	55071
15°	77876	66407	47111
20°	75051	64505	39310
25°	70956	62253	33718
30°	66504	59717	30050
35°	60880	56579	27676
40°	55460	53263	26086
45°	49629	49629	24699
50°	44151	46242	23770
55°	38934	42745	23124
60°	33912	39288	22495
65°	28204	35367	22245
70°	23081	30921	22089
75°	16208	24652	20771
80°	10632	15479	17395
85°	1946	1946	3818



TEST NUMBER: P303548

CATALOG NUMBER: PR6FS24D010 PR6M24WW9FSBZ 3000lm3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.0	4.9
10°-20°	268.5	13.4
20°-30°	364.4	18.1
30°-40°	385.0	19.2
40°-50°	345.7	17.2
50°-60°	269.9	13.4
60°-70°	179.6	8.9
70°-80°	85.5	4.3
80°-90°	10.7	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°	731.9	36.4
0°-40°	1116.9	55.6
0°-60°	1732.4	86.3
0°-90°	2008.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2008.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1058	1058	1058	1058	1058	
5°	1140	1114	1048	983	955	110
15°	1153	1138	983	785	698	323
25°	986	999	865	566	468	453
35°	764	788	710	402	348	479
45°	538	558	538	293	268	416
55°	342	353	376	214	203	307
65°	183	193	229	147	144	184
75°	64	75	98	80	82	72
85°	3	3	3	3	5	8
90°	0	0	0	0	0	



TEST NUMBER: P303548

CATALOG NUMBER: PR6FS24D010 PR6M24WW9FSBZ 3000lm3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1057.8	1057.8	1057.8	1057.8	1057.8	1057.8	1057.8	1057.8	1057.8
2.5°	1104.1	1099.0	1088.7	1073.2	1055.2	1037.2	1021.8	1014.1	1006.3
5°	1140.2	1132.4	1114.4	1083.5	1047.5	1014.1	983.2	962.6	954.9
7.5°	1168.5	1158.2	1129.9	1088.7	1037.2	983.2	939.4	906.0	895.7
10°	1183.9	1173.6	1142.7	1088.7	1021.8	952.3	890.5	846.8	831.3
12.5°	1176.2	1171.0	1145.3	1086.1	1003.8	916.2	839.0	787.6	764.4
15°	1153.0	1153.0	1137.6	1075.8	983.2	882.8	785.0	720.6	697.5
17.5°	1122.1	1124.7	1117.0	1063.0	960.0	839.0	733.5	658.9	633.1
20°	1081.0	1083.5	1083.5	1042.4	929.1	797.9	679.5	592.0	566.2
22.5°	1034.6	1039.8	1044.9	1016.6	898.2	756.7	620.3	537.9	514.7
25°	985.7	990.9	998.6	985.7	864.8	712.9	566.2	489.0	468.4
27.5°	936.8	939.4	952.3	949.7	828.7	669.2	519.9	450.4	432.4
30°	882.8	887.9	898.2	908.5	792.7	622.8	473.6	416.9	398.9
32.5°	823.6	828.7	844.2	857.1	751.5	579.1	435.0	383.5	370.6
35°	764.4	769.5	787.6	805.6	710.4	535.3	401.5	357.7	347.5
37.5°	710.4	715.5	728.4	754.1	669.2	491.6	368.0	334.6	324.3
40°	651.2	656.3	671.7	702.6	625.4	450.4	342.3	311.4	306.3
42.5°	594.5	599.7	615.1	648.6	584.2	411.8	316.6	293.4	288.3
45°	537.9	540.5	558.5	592.0	537.9	373.2	293.4	272.8	267.7
47.5°	486.4	489.0	504.5	543.1	496.7	339.7	272.8	254.8	252.2
50°	435.0	432.4	450.4	489.0	455.6	308.8	252.2	239.4	234.2
52.5°	386.1	386.1	398.9	440.1	416.9	280.5	234.2	221.3	218.8
55°	342.3	342.3	352.6	393.8	375.8	252.2	213.6	205.9	203.3
57.5°	298.6	298.6	308.8	344.9	337.2	226.5	198.2	187.9	187.9
60°	259.9	257.4	265.1	303.7	301.1	203.3	180.2	175.0	172.4
62.5°	221.3	218.8	226.5	259.9	262.5	180.2	164.7	159.6	159.6
65°	182.7	185.3	193.0	221.3	229.1	159.6	146.7	146.7	144.1
67.5°	151.9	154.4	159.6	185.3	195.6	139.0	131.3	131.3	131.3
70°	121.0	123.5	128.7	149.3	162.1	118.4	113.2	115.8	115.8
72.5°	92.7	95.2	100.4	115.8	128.7	97.8	97.8	100.4	100.4
75°	64.3	66.9	74.6	87.5	97.8	77.2	79.8	82.4	82.4
77.5°	43.8	43.8	48.9	59.2	69.5	56.6	61.8	64.3	66.9
80°	28.3	28.3	30.9	36.0	41.2	38.6	41.2	46.3	46.3
82.5°	12.9	12.9	15.4	15.4	18.0	18.0	20.6	20.6	23.2
85°	2.6	5.1	2.6	2.6	2.6	2.6	2.6	5.1	5.1
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)