

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: P303544

Luminaire Tested: **PR6FS24D010 PR6M24WW9FSBZ 2000Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303544
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 2000lm4000K
Description: PR6 WALLWASH ASSEMBLY WITH, BRONZE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1528.3 lumens
Efficiency: N/A
Efficacy: 69.5 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

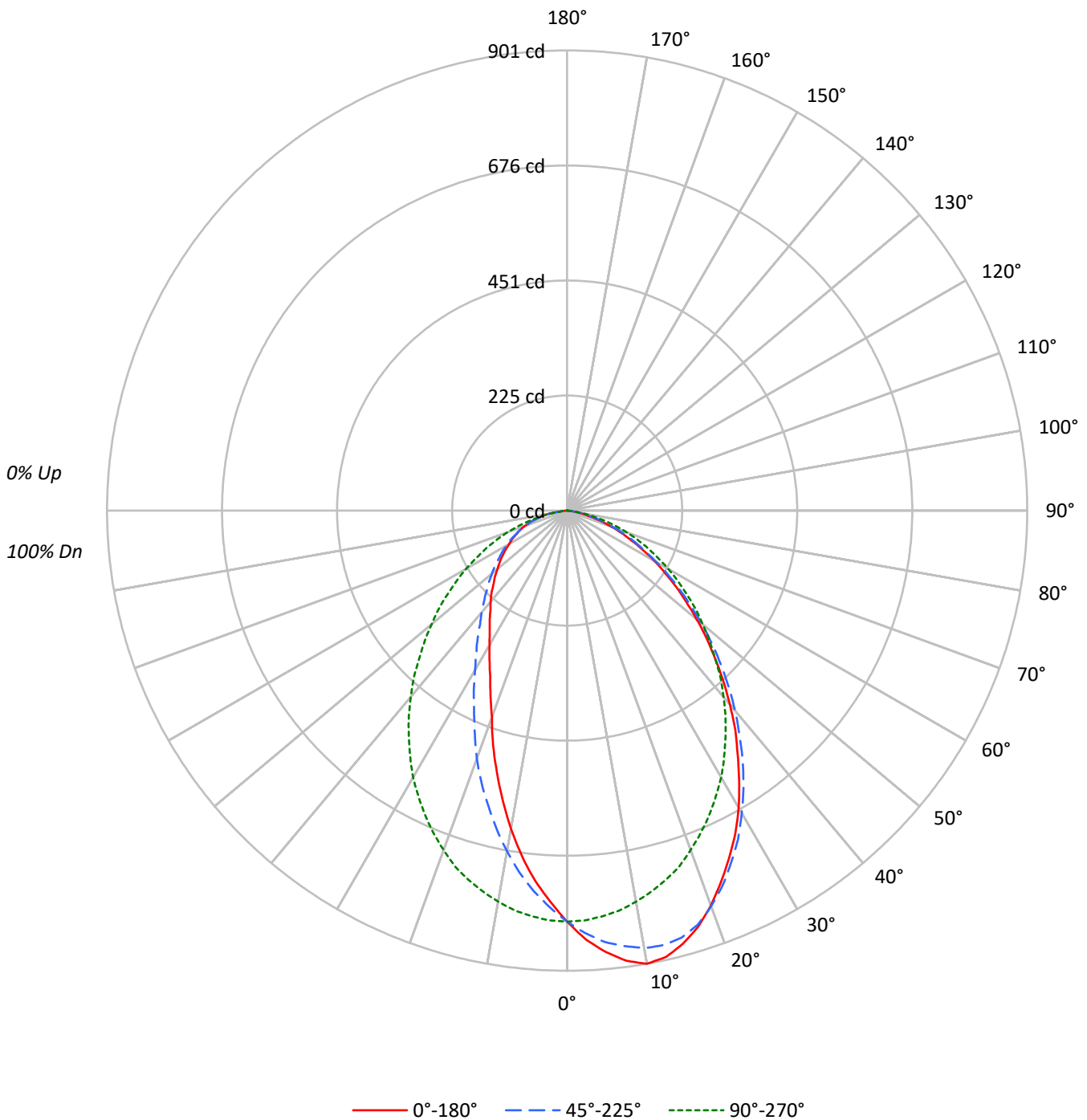
Input Watts (W): 22
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P303544

CATALOG NUMBER: PR6FS24D010 PR6M24WW9FSBZ 2000lm4000K

Luminous Intensity Polar Plot





TEST NUMBER: P303544

CATALOG NUMBER: PR6FS24D010 PR6M24WW9FSBZ 2000lm4000K

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°	52519	52519	52519
5°	56826	52208	47591
10°	59689	51514	41915
15°	59268	50535	35851
20°	57118	49092	29916
25°	54003	47373	25663
30°	50609	45449	22871
35°	46329	43056	21058
40°	42200	40539	19852
45°	37773	37773	18794
50°	33595	35189	18087
55°	29630	32531	17596
60°	25809	29906	17119
65°	21473	26907	16935
70°	17568	23539	16805
75°	12351	18754	15805
80°	8078	11760	13262
85°	1497	1497	2919



TEST NUMBER: P303544

CATALOG NUMBER: PR6FS24D010 PR6M24WW9FSBZ 2000lm4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.3	4.9
10°-20°	204.3	13.4
20°-30°	277.3	18.1
30°-40°	293.0	19.2
40°-50°	263.1	17.2
50°-60°	205.4	13.4
60°-70°	136.7	8.9
70°-80°	65.0	4.3
80°-90°	8.2	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°	557.0	36.4
0°-40°	850.0	55.6
0°-60°	1318.4	86.3
0°-90°	1528.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1528.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	805	805	805	805	805	
5°	868	848	797	748	727	84
15°	878	866	748	597	531	246
25°	750	760	658	431	356	345
35°	582	599	541	306	264	364
45°	409	425	409	223	204	317
55°	260	268	286	163	155	233
65°	139	147	174	112	110	140
75°	49	57	74	61	63	55
85°	2	2	2	2	4	6
90°	0	0	0	0	0	



TEST NUMBER: P303544

CATALOG NUMBER: PR6FS24D010 PR6M24WW9FSBZ 2000lm4000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	805.0	805.0	805.0	805.0	805.0	805.0	805.0	805.0	805.0
2.5°	840.3	836.4	828.5	816.8	803.1	789.4	777.6	771.7	765.8
5°	867.7	861.8	848.1	824.6	797.2	771.7	748.2	732.6	726.7
7.5°	889.2	881.4	859.9	828.5	789.4	748.2	714.9	689.5	681.6
10°	901.0	893.2	869.7	828.5	777.6	724.7	677.7	644.4	632.7
12.5°	895.1	891.2	871.6	826.6	763.9	697.3	638.5	599.4	581.7
15°	877.5	877.5	865.7	818.7	748.2	671.8	597.4	548.4	530.8
17.5°	854.0	855.9	850.1	808.9	730.6	638.5	558.2	501.4	481.8
20°	822.7	824.6	824.6	793.3	707.1	607.2	517.1	450.5	430.9
22.5°	787.4	791.3	795.2	773.7	683.6	575.9	472.0	409.4	391.7
25°	750.2	754.1	760.0	750.2	658.1	542.6	430.9	372.2	356.5
27.5°	713.0	714.9	724.7	722.8	630.7	509.3	395.7	342.8	329.1
30°	671.8	675.7	683.6	691.4	603.3	474.0	360.4	317.3	303.6
32.5°	626.8	630.7	642.5	652.2	571.9	440.7	331.0	291.8	282.1
35°	581.7	585.6	599.4	613.1	540.6	407.4	305.6	272.3	264.4
37.5°	540.6	544.5	554.3	573.9	509.3	374.1	280.1	254.6	246.8
40°	495.5	499.5	511.2	534.7	476.0	342.8	260.5	237.0	233.1
42.5°	452.5	456.4	468.1	493.6	444.6	313.4	240.9	223.3	219.4
45°	409.4	411.3	425.0	450.5	409.4	284.0	223.3	207.6	203.7
47.5°	370.2	372.2	383.9	413.3	378.0	258.5	207.6	193.9	192.0
50°	331.0	329.1	342.8	372.2	346.7	235.0	192.0	182.2	178.2
52.5°	293.8	293.8	303.6	334.9	317.3	213.5	178.2	168.4	166.5
55°	260.5	260.5	268.3	299.7	286.0	192.0	162.6	156.7	154.7
57.5°	227.2	227.2	235.0	262.5	256.6	172.4	150.8	143.0	143.0
60°	197.8	195.9	201.7	231.1	229.2	154.7	137.1	133.2	131.2
62.5°	168.4	166.5	172.4	197.8	199.8	137.1	125.4	121.4	121.4
65°	139.1	141.0	146.9	168.4	174.3	121.4	111.6	111.6	109.7
67.5°	115.6	117.5	121.4	141.0	148.9	105.8	99.9	99.9	99.9
70°	92.1	94.0	97.9	113.6	123.4	90.1	86.2	88.1	88.1
72.5°	70.5	72.5	76.4	88.1	97.9	74.4	74.4	76.4	76.4
75°	49.0	50.9	56.8	66.6	74.4	58.8	60.7	62.7	62.7
77.5°	33.3	33.3	37.2	45.0	52.9	43.1	47.0	49.0	50.9
80°	21.5	21.5	23.5	27.4	31.3	29.4	31.3	35.3	35.3
82.5°	9.8	9.8	11.8	11.8	13.7	13.7	15.7	15.7	17.6
85°	2.0	3.9	2.0	2.0	2.0	2.0	2.0	3.9	3.9
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)