

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: P303556

Luminaire Tested: **PR6FS24D010 PR6M24WW9FSBZ 4000Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303556
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 4000lm4000K
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: 2823.2 lumens
Efficiency: N/A
Efficacy: 62.7 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

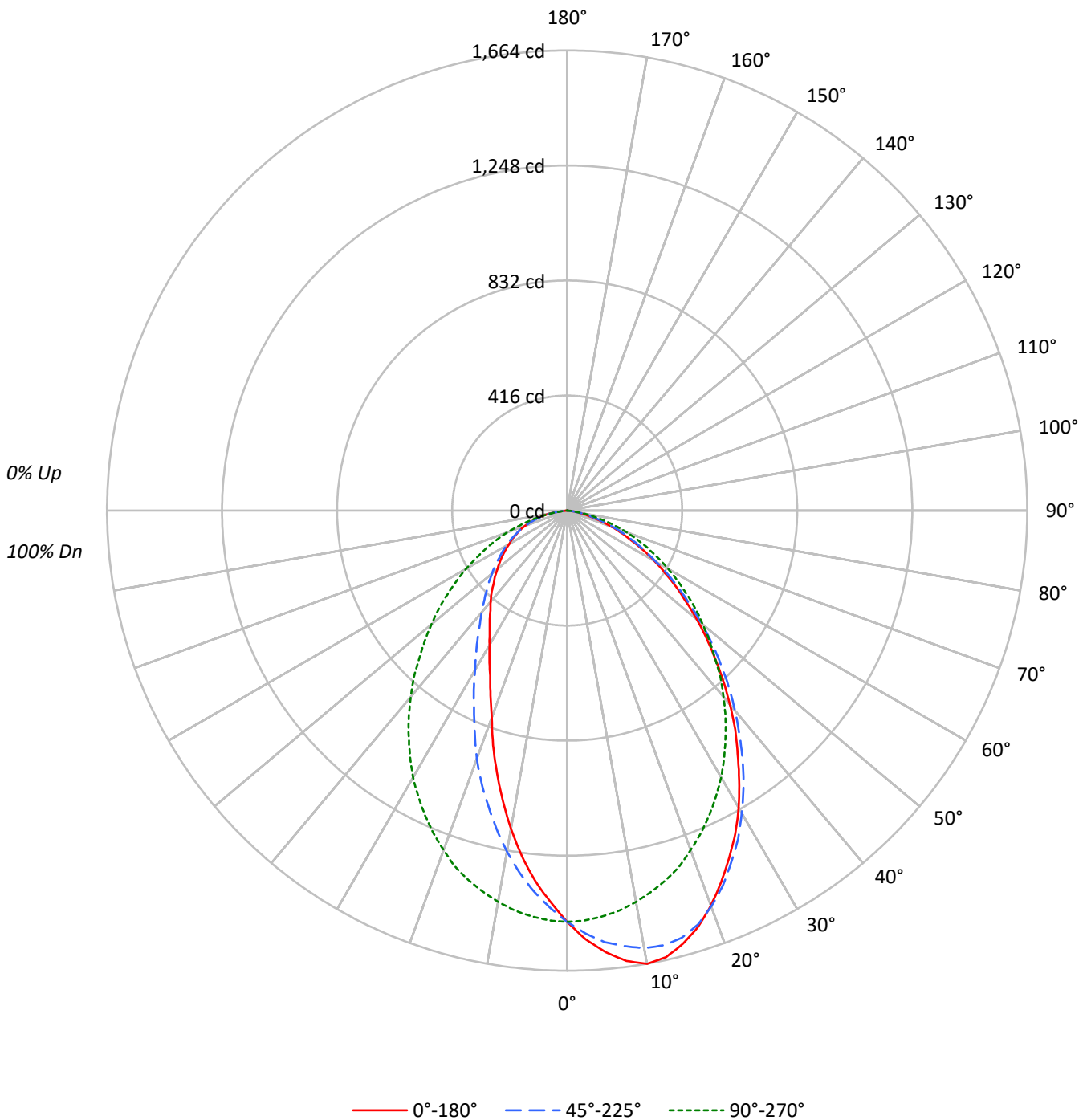
Input Watts (W): 45
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	97019	97019	97019
5°	104974	96447	87914
10°	110262	95164	77423
15°	109486	93357	66232
20°	105509	90686	55264
25°	99757	87519	47402
30°	93496	83952	42247
35°	85586	79541	38906
40°	77961	74886	36672
45°	69770	69770	34719
50°	62065	64998	33423
55°	54733	60091	32508
60°	47691	55233	31629
65°	39658	49708	31276
70°	32447	43491	31054
75°	22812	34660	29190
80°	14953	21753	24458
85°	2695	2695	5390



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.2	4.9
10°-20°	377.5	13.4
20°-30°	512.3	18.1
30°-40°	541.2	19.2
40°-50°	486.0	17.2
50°-60°	379.4	13.4
60°-70°	252.5	8.9
70°-80°	120.2	4.3
80°-90°	15.1	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°	1029.0	36.4
0°-40°	1570.2	55.6
0°-60°	2435.5	86.3
0°-90°	2823.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2823.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1487	1487	1487	1487	1487	
5°	1603	1567	1473	1382	1342	155
15°	1621	1599	1382	1104	981	455
25°	1386	1404	1216	796	658	637
35°	1075	1107	999	564	488	673
45°	756	785	756	412	376	585
55°	481	496	528	300	286	431
65°	257	271	322	206	203	259
75°	90	105	138	112	116	102
85°	4	4	4	4	7	11
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°	1487.1	1487.1	1487.1	1487.1	1487.1	1487.1	1487.1	1487.1	1487.1
2.5°	1552.3	1545.0	1530.6	1508.8	1483.5	1458.2	1436.5	1425.6	1414.8
5°	1602.9	1592.1	1566.7	1523.3	1472.7	1425.6	1382.2	1353.3	1342.4
7.5°	1642.7	1628.3	1588.4	1530.6	1458.2	1382.2	1320.7	1273.7	1259.2
10°	1664.4	1650.0	1606.5	1530.6	1436.5	1338.8	1251.9	1190.4	1168.7
12.5°	1653.6	1646.3	1610.2	1526.9	1411.2	1288.1	1179.6	1107.2	1074.6
15°	1621.0	1621.0	1599.3	1512.5	1382.2	1241.1	1103.6	1013.1	980.6
17.5°	1577.6	1581.2	1570.4	1494.4	1349.6	1179.6	1031.2	926.3	890.1
20°	1519.7	1523.3	1523.3	1465.4	1306.2	1121.7	955.2	832.2	796.0
22.5°	1454.6	1461.8	1469.0	1429.2	1262.8	1063.8	872.0	756.2	723.7
25°	1385.8	1393.1	1403.9	1385.8	1215.8	1002.3	796.0	687.5	658.5
27.5°	1317.1	1320.7	1338.8	1335.2	1165.1	940.8	730.9	633.2	607.9
30°	1241.1	1248.3	1262.8	1277.3	1114.4	875.6	665.8	586.2	560.8
32.5°	1157.9	1165.1	1186.8	1204.9	1056.6	814.1	611.5	539.1	521.0
35°	1074.6	1081.9	1107.2	1132.5	998.7	752.6	564.5	502.9	488.5
37.5°	998.7	1005.9	1024.0	1060.2	940.8	691.1	517.4	470.4	455.9
40°	915.4	922.7	944.4	987.8	879.3	633.2	481.2	437.8	430.6
42.5°	835.8	843.1	864.8	911.8	821.4	578.9	445.1	412.5	405.3
45°	756.2	759.9	785.2	832.2	756.2	524.7	412.5	383.5	376.3
47.5°	683.9	687.5	709.2	763.5	698.3	477.6	383.5	358.2	354.6
50°	611.5	607.9	633.2	687.5	640.4	434.2	354.6	336.5	329.3
52.5°	542.8	542.8	560.8	618.7	586.2	394.4	329.3	311.2	307.6
55°	481.2	481.2	495.7	553.6	528.3	354.6	300.3	289.5	285.8
57.5°	419.7	419.7	434.2	484.9	474.0	318.4	278.6	264.1	264.1
60°	365.5	361.8	372.7	427.0	423.3	285.8	253.3	246.0	242.4
62.5°	311.2	307.6	318.4	365.5	369.1	253.3	231.6	224.3	224.3
65°	256.9	260.5	271.4	311.2	322.0	224.3	206.2	206.2	202.6
67.5°	213.5	217.1	224.3	260.5	275.0	195.4	184.5	184.5	184.5
70°	170.1	173.7	180.9	209.9	228.0	166.4	159.2	162.8	162.8
72.5°	130.3	133.9	141.1	162.8	180.9	137.5	137.5	141.1	141.1
75°	90.5	94.1	104.9	123.0	137.5	108.6	112.2	115.8	115.8
77.5°	61.5	61.5	68.7	83.2	97.7	79.6	86.8	90.5	94.1
80°	39.8	39.8	43.4	50.7	57.9	54.3	57.9	65.1	65.1
82.5°	18.1	18.1	21.7	21.7	25.3	25.3	28.9	28.9	32.6
85°	3.6	7.2	3.6	3.6	3.6	3.6	3.6	7.2	7.2
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)