

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: P303551

Luminaire Tested: **PR6FS24D010 PR6M24WW8FSBZ 4000Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303551
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 PR6M24WW8FSBZ 4000lm3000K
Description: PR6 WALLWASH ASSEMBLY WITH, BRONZE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3036.6 lumens
Efficiency: N/A
Efficacy: 67.5 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

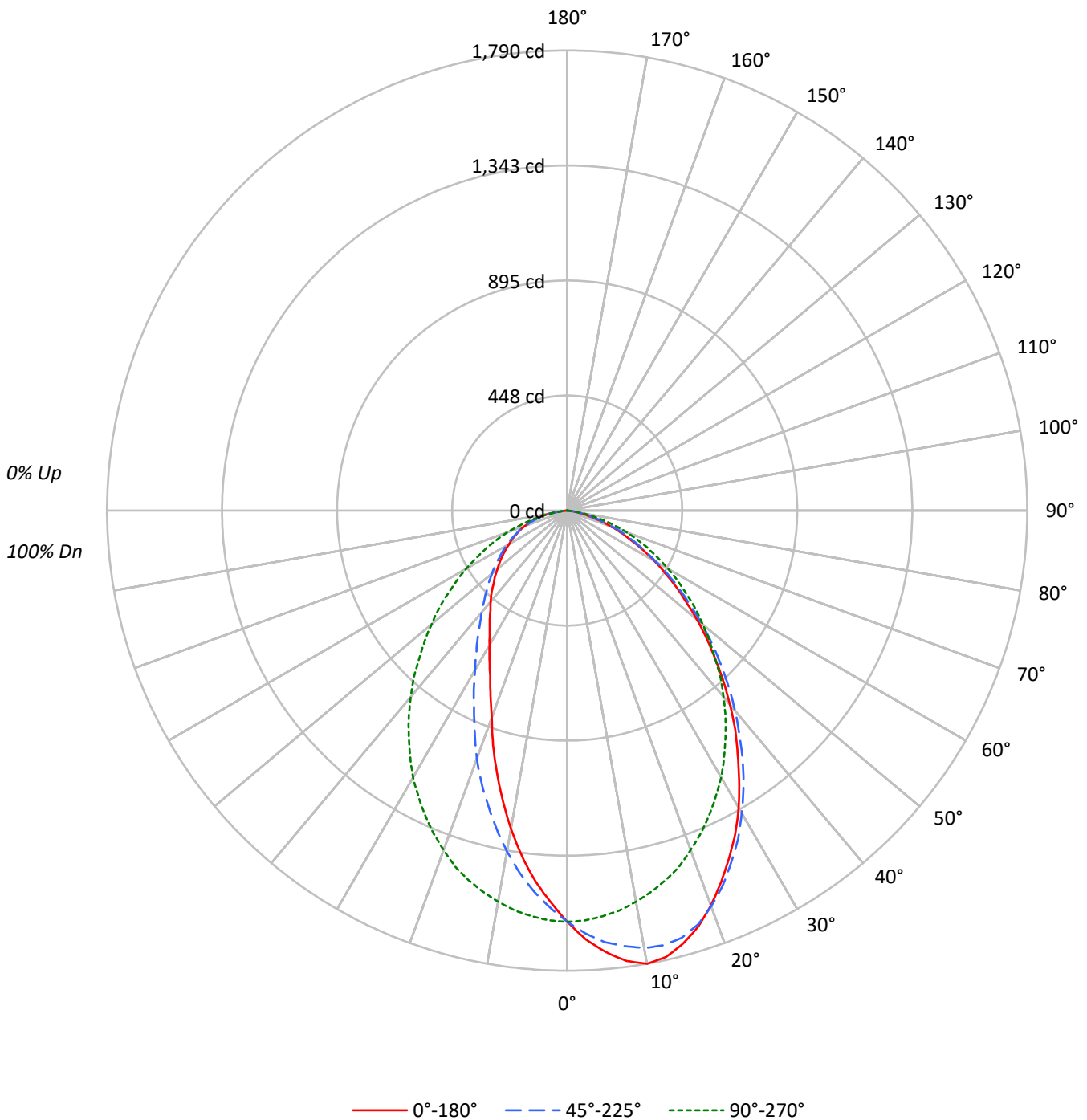
Input Watts (W): 45
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	104352	104352	104352
5°	112911	103736	94554
10°	118596	102352	83273
15°	117760	100415	71237
20°	113479	97539	59444
25°	107294	94128	50987
30°	100563	90302	45441
35°	92061	85546	41845
40°	83854	80541	39440
45°	75048	75048	37339
50°	66754	69911	35950
55°	58874	64629	34965
60°	51292	59408	34016
65°	42653	53475	33638
70°	34888	46772	33400
75°	24526	37281	31383
80°	16080	23406	26337
85°	2919	2919	5839



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.7	4.9
10°-20°	406.0	13.4
20°-30°	551.0	18.1
30°-40°	582.1	19.2
40°-50°	522.7	17.2
50°-60°	408.1	13.4
60°-70°	271.6	8.9
70°-80°	129.3	4.3
80°-90°	16.2	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°	1106.7	36.4
0°-40°	1688.8	55.6
0°-60°	2619.6	86.3
0°-90°	3036.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3036.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1600	1600	1600	1600	1600	
5°	1724	1685	1584	1487	1444	166
15°	1744	1720	1487	1187	1055	489
25°	1490	1510	1308	856	708	685
35°	1156	1191	1074	607	525	724
45°	813	844	813	444	405	629
55°	518	533	568	323	307	464
65°	276	292	346	222	218	279
75°	97	113	148	121	124	110
85°	4	4	4	4	8	12
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°	1599.5	1599.5	1599.5	1599.5	1599.5	1599.5	1599.5	1599.5	1599.5
2.5°	1669.6	1661.8	1646.2	1622.9	1595.6	1568.4	1545.0	1533.4	1521.7
5°	1724.1	1712.4	1685.1	1638.4	1584.0	1533.4	1486.7	1455.5	1443.8
7.5°	1766.9	1751.3	1708.5	1646.2	1568.4	1486.7	1420.5	1369.9	1354.3
10°	1790.2	1774.6	1727.9	1646.2	1545.0	1440.0	1346.6	1280.4	1257.0
12.5°	1778.5	1770.8	1731.8	1642.3	1517.8	1385.5	1268.7	1190.9	1155.9
15°	1743.5	1743.5	1720.2	1626.8	1486.7	1334.9	1187.0	1089.7	1054.7
17.5°	1696.8	1700.7	1689.0	1607.3	1451.6	1268.7	1109.2	996.3	957.4
20°	1634.5	1638.4	1638.4	1576.2	1404.9	1206.4	1027.4	895.1	856.2
22.5°	1564.5	1572.3	1580.1	1537.2	1358.2	1144.2	937.9	813.4	778.4
25°	1490.5	1498.3	1510.0	1490.5	1307.6	1078.0	856.2	739.4	708.3
27.5°	1416.6	1420.5	1440.0	1436.1	1253.1	1011.9	786.1	681.1	653.8
30°	1334.9	1342.7	1358.2	1373.8	1198.7	941.8	716.1	630.5	603.2
32.5°	1245.4	1253.1	1276.5	1296.0	1136.4	875.6	657.7	579.9	560.4
35°	1155.9	1163.6	1190.9	1218.1	1074.1	809.5	607.1	541.0	525.4
37.5°	1074.1	1081.9	1101.4	1140.3	1011.9	743.3	556.5	505.9	490.4
40°	984.6	992.4	1015.8	1062.5	945.7	681.1	517.6	470.9	463.1
42.5°	899.0	906.8	930.1	980.7	883.4	622.7	478.7	443.7	435.9
45°	813.4	817.3	844.5	895.1	813.4	564.3	443.7	412.5	404.7
47.5°	735.5	739.4	762.8	821.2	751.1	513.7	412.5	385.3	381.4
50°	657.7	653.8	681.1	739.4	688.8	467.0	381.4	361.9	354.2
52.5°	583.8	583.8	603.2	665.5	630.5	424.2	354.2	334.7	330.8
55°	517.6	517.6	533.2	595.4	568.2	381.4	323.0	311.3	307.4
57.5°	451.4	451.4	467.0	521.5	509.8	342.5	299.7	284.1	284.1
60°	393.1	389.2	400.9	459.2	455.3	307.4	272.4	264.6	260.7
62.5°	334.7	330.8	342.5	393.1	397.0	272.4	249.1	241.3	241.3
65°	276.3	280.2	291.9	334.7	346.4	241.3	221.8	221.8	217.9
67.5°	229.6	233.5	241.3	280.2	295.8	210.2	198.5	198.5	198.5
70°	182.9	186.8	194.6	225.7	245.2	179.0	171.2	175.1	175.1
72.5°	140.1	144.0	151.8	175.1	194.6	147.9	147.9	151.8	151.8
75°	97.3	101.2	112.9	132.3	147.9	116.8	120.6	124.5	124.5
77.5°	66.2	66.2	73.9	89.5	105.1	85.6	93.4	97.3	101.2
80°	42.8	42.8	46.7	54.5	62.3	58.4	62.3	70.1	70.1
82.5°	19.5	19.5	23.4	23.4	27.2	27.2	31.1	31.1	35.0
85°	3.9	7.8	3.9	3.9	3.9	3.9	3.9	7.8	7.8
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)