

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: P303553

Luminaire Tested: **PR6FS24D010 PR6M24WW8FSBZ 4000Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303553
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 4000lm4000K
Description: PR6 WALLWASH ASSEMBLY WITH, BRONZE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3573.0 lumens
Efficiency: N/A
Efficacy: 79.4 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

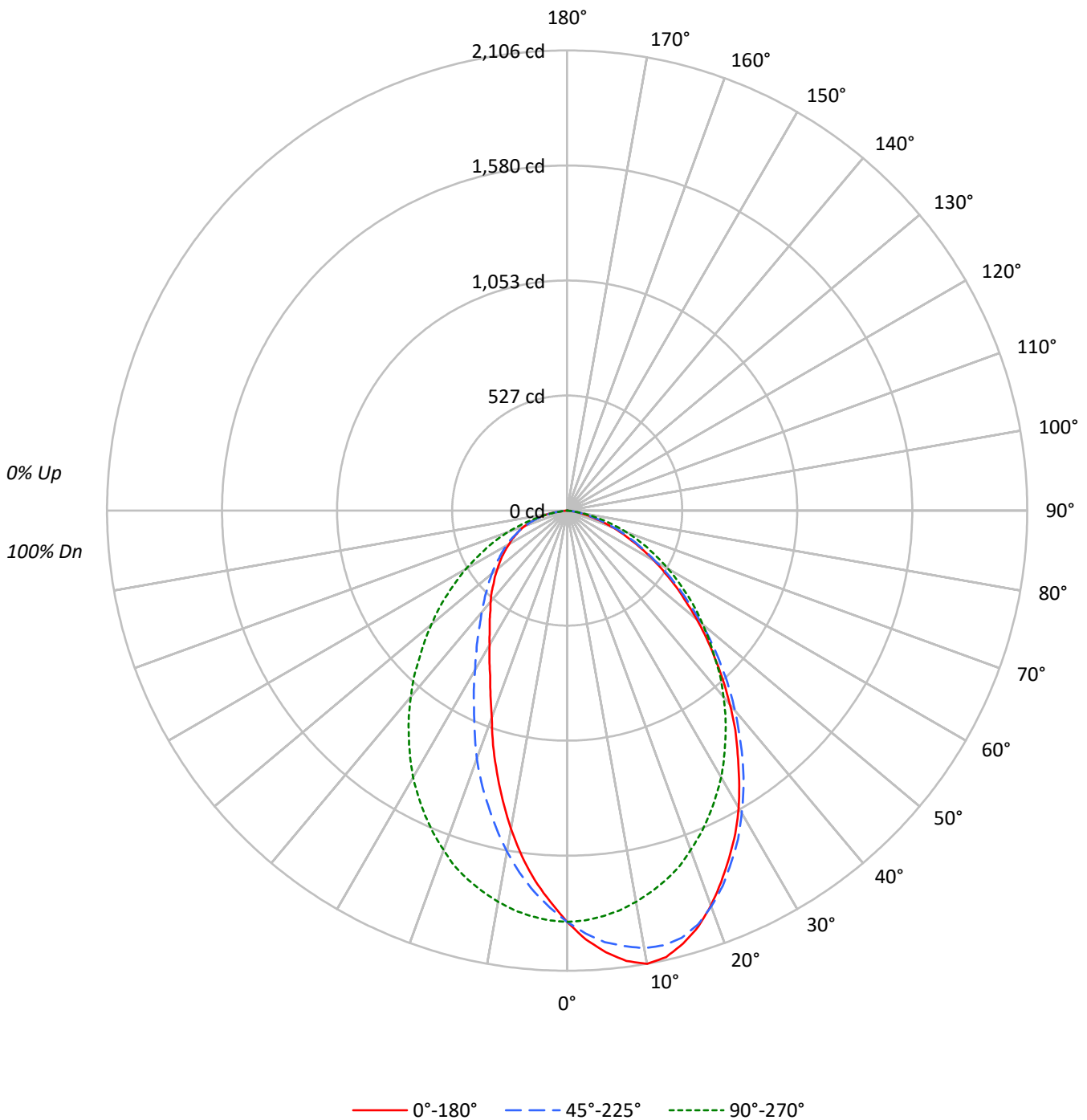
Input Watts (W): 45
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	122789	122789	122789
5°	132853	122053	111261
10°	139543	120431	97986
15°	138563	118151	83820
20°	133530	114771	69941
25°	126247	110756	59992
30°	118326	106250	53472
35°	108316	100662	49236
40°	98664	94764	46407
45°	88306	88306	43936
50°	78548	82263	42294
55°	69270	76049	41152
60°	60348	69912	40032
65°	50186	62907	39581
70°	41050	55032	39314
75°	28862	43860	36928
80°	18936	27539	30958
85°	3443	3443	6887



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.1	4.9
10°-20°	477.7	13.4
20°-30°	648.3	18.1
30°-40°	684.9	19.2
40°-50°	615.0	17.2
50°-60°	480.2	13.4
60°-70°	319.5	8.9
70°-80°	152.1	4.3
80°-90°	19.1	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°	1302.2	36.4
0°-40°	1987.1	55.6
0°-60°	3082.3	86.3
0°-90°	3573.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3573.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1882	1882	1882	1882	1882	
5°	2029	1983	1864	1749	1699	196
15°	2052	2024	1749	1397	1241	575
25°	1754	1777	1539	1007	833	806
35°	1360	1401	1264	714	618	852
45°	957	994	957	522	476	741
55°	609	627	669	380	362	546
65°	325	343	408	261	256	328
75°	114	133	174	142	146	129
85°	5	5	5	5	9	14
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°	1882.1	1882.1	1882.1	1882.1	1882.1	1882.1	1882.1	1882.1	1882.1
2.5°	1964.5	1955.3	1937.0	1909.5	1877.5	1845.4	1817.9	1804.2	1790.5
5°	2028.6	2014.8	1982.8	1927.8	1863.7	1804.2	1749.3	1712.6	1698.9
7.5°	2079.0	2060.6	2010.3	1937.0	1845.4	1749.3	1671.4	1611.9	1593.6
10°	2106.4	2088.1	2033.2	1937.0	1817.9	1694.3	1584.4	1506.6	1479.1
12.5°	2092.7	2083.5	2037.7	1932.4	1785.9	1630.2	1492.8	1401.2	1360.0
15°	2051.5	2051.5	2024.0	1914.1	1749.3	1570.7	1396.7	1282.2	1241.0
17.5°	1996.5	2001.1	1987.4	1891.2	1708.0	1492.8	1305.1	1172.3	1126.5
20°	1923.3	1927.8	1927.8	1854.6	1653.1	1419.6	1208.9	1053.2	1007.4
22.5°	1840.8	1850.0	1859.2	1808.8	1598.1	1346.3	1103.6	957.1	915.8
25°	1753.8	1763.0	1776.7	1753.8	1538.6	1268.4	1007.4	870.0	833.4
27.5°	1666.8	1671.4	1694.3	1689.7	1474.5	1190.6	925.0	801.4	769.3
30°	1570.7	1579.8	1598.1	1616.5	1410.4	1108.2	842.6	741.8	709.8
32.5°	1465.3	1474.5	1502.0	1524.9	1337.1	1030.3	773.9	682.3	659.4
35°	1360.0	1369.2	1401.2	1433.3	1263.9	952.5	714.4	636.5	618.2
37.5°	1263.9	1273.0	1295.9	1341.7	1190.6	874.6	654.8	595.3	577.0
40°	1158.5	1167.7	1195.2	1250.1	1112.7	801.4	609.0	554.1	544.9
42.5°	1057.8	1067.0	1094.4	1154.0	1039.5	732.7	563.2	522.0	512.9
45°	957.1	961.6	993.7	1053.2	957.1	664.0	522.0	485.4	476.2
47.5°	865.5	870.0	897.5	966.2	883.8	604.5	485.4	453.3	448.8
50°	773.9	769.3	801.4	870.0	810.5	549.5	448.8	425.9	416.7
52.5°	686.9	686.9	709.8	783.0	741.8	499.1	416.7	393.8	389.2
55°	609.0	609.0	627.4	700.6	668.6	448.8	380.1	366.3	361.8
57.5°	531.2	531.2	549.5	613.6	599.9	403.0	352.6	334.3	334.3
60°	462.5	457.9	471.7	540.3	535.8	361.8	320.5	311.4	306.8
62.5°	393.8	389.2	403.0	462.5	467.1	320.5	293.1	283.9	283.9
65°	325.1	329.7	343.4	393.8	407.5	283.9	261.0	261.0	256.4
67.5°	270.2	274.8	283.9	329.7	348.0	247.3	233.5	233.5	233.5
70°	215.2	219.8	229.0	265.6	288.5	210.6	201.5	206.1	206.1
72.5°	164.9	169.4	178.6	206.1	229.0	174.0	174.0	178.6	178.6
75°	114.5	119.1	132.8	155.7	174.0	137.4	142.0	146.5	146.5
77.5°	77.8	77.8	87.0	105.3	123.6	100.7	109.9	114.5	119.1
80°	50.4	50.4	55.0	64.1	73.3	68.7	73.3	82.4	82.4
82.5°	22.9	22.9	27.5	27.5	32.1	32.1	36.6	36.6	41.2
85°	4.6	9.2	4.6	4.6	4.6	4.6	4.6	9.2	9.2
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)