

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: P303547

Luminaire Tested: **PR6FS24D010 PR6M24WW8FSBZ 3000Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303547
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 3000Lm4000K
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: 2482.7 lumens
Efficiency: N/A
Efficacy: 87.1 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

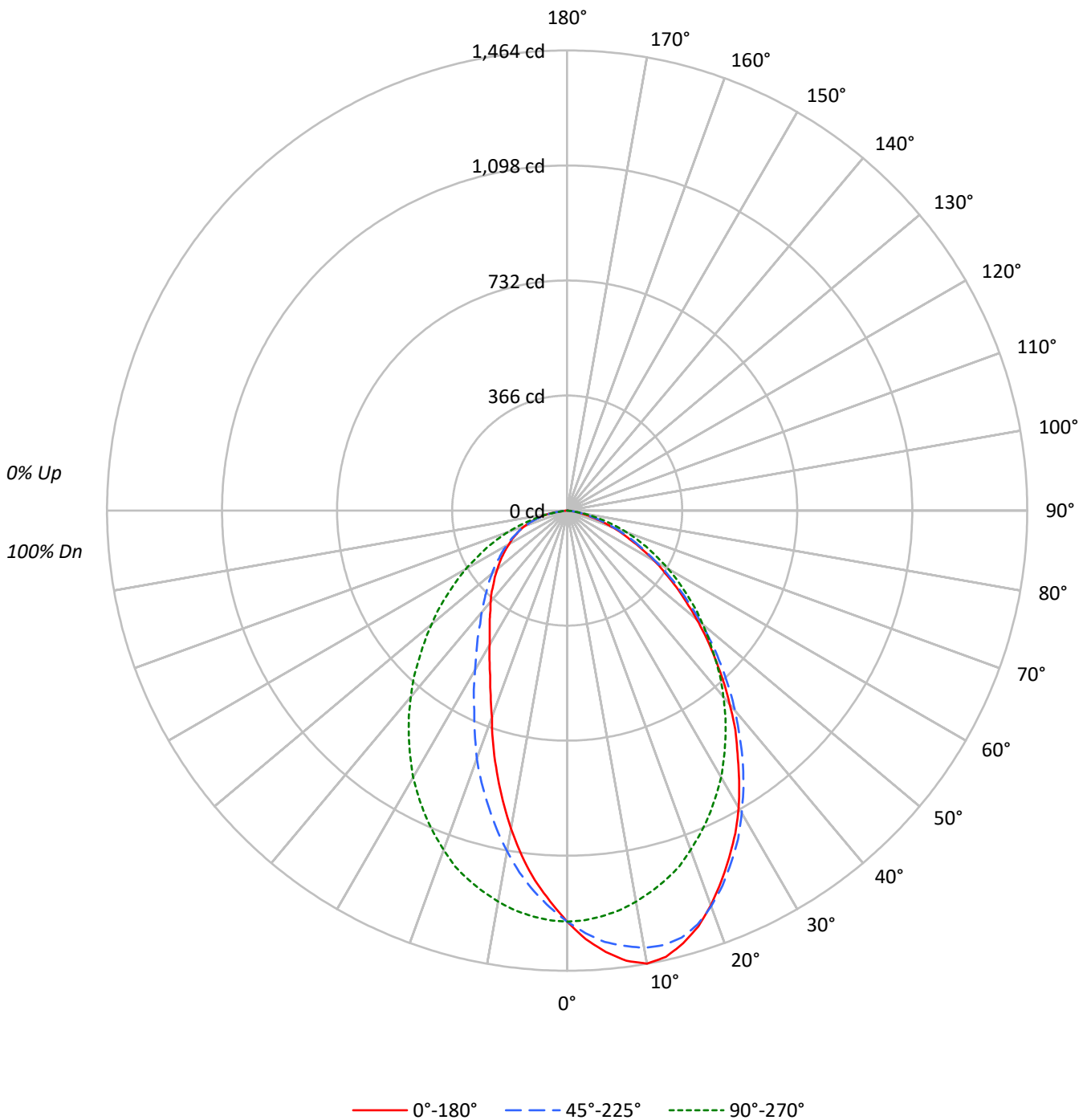
Input Watts (W): 28.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	85322	85322	85322
5°	92314	84809	77311
10°	96966	83683	68082
15°	96281	82097	58242
20°	92783	79752	48599
25°	87728	76959	41687
30°	82219	73827	37154
35°	75264	69943	34215
40°	68558	65850	32244
45°	61356	61356	30530
50°	54575	57163	29393
55°	48136	52845	28595
60°	41937	48578	27819
65°	34873	43718	27509
70°	28517	38246	27316
75°	20040	30475	25661
80°	13150	19123	21528
85°	2395	2395	4791



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.4	4.9
10°-20°	332.0	13.4
20°-30°	450.5	18.1
30°-40°	475.9	19.2
40°-50°	427.3	17.2
50°-60°	333.7	13.4
60°-70°	222.0	8.9
70°-80°	105.7	4.3
80°-90°	13.3	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°	904.8	36.4
0°-40°	1380.8	55.6
0°-60°	2141.8	86.3
0°-90°	2482.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2482.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1308	1308	1308	1308	1308	
5°	1410	1378	1295	1216	1180	136
15°	1426	1406	1216	970	862	400
25°	1219	1235	1069	700	579	560
35°	945	974	878	496	430	592
45°	665	690	665	363	331	515
55°	423	436	465	264	251	379
65°	226	239	283	181	178	228
75°	80	92	121	99	102	90
85°	3	3	3	3	6	10
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°	1307.8	1307.8	1307.8	1307.8	1307.8	1307.8	1307.8	1307.8	1307.8
2.5°	1365.0	1358.7	1345.9	1326.8	1304.6	1282.3	1263.2	1253.7	1244.1
5°	1409.6	1400.0	1377.8	1339.6	1295.0	1253.7	1215.5	1190.0	1180.5
7.5°	1444.6	1431.8	1396.8	1345.9	1282.3	1215.5	1161.4	1120.0	1107.3
10°	1463.7	1450.9	1412.8	1345.9	1263.2	1177.3	1100.9	1046.8	1027.7
12.5°	1454.1	1447.8	1415.9	1342.8	1240.9	1132.7	1037.3	973.7	945.0
15°	1425.5	1425.5	1406.4	1330.0	1215.5	1091.4	970.5	890.9	862.3
17.5°	1387.3	1390.5	1380.9	1314.1	1186.8	1037.3	906.8	814.6	782.7
20°	1336.4	1339.6	1339.6	1288.7	1148.7	986.4	840.0	731.8	700.0
22.5°	1279.1	1285.5	1291.8	1256.8	1110.5	935.5	766.8	665.0	636.4
25°	1218.7	1225.0	1234.6	1218.7	1069.1	881.4	700.0	604.6	579.1
27.5°	1158.2	1161.4	1177.3	1174.1	1024.6	827.3	642.7	556.8	534.6
30°	1091.4	1097.7	1110.5	1123.2	980.0	770.0	585.5	515.5	493.2
32.5°	1018.2	1024.6	1043.7	1059.6	929.1	715.9	537.7	474.1	458.2
35°	945.0	951.4	973.7	995.9	878.2	661.8	496.4	442.3	429.6
37.5°	878.2	884.6	900.5	932.3	827.3	607.7	455.0	413.6	400.9
40°	805.0	811.4	830.5	868.7	773.2	556.8	423.2	385.0	378.6
42.5°	735.0	741.4	760.5	801.8	722.3	509.1	391.4	362.7	356.4
45°	665.0	668.2	690.5	731.8	665.0	461.4	362.7	337.3	330.9
47.5°	601.4	604.6	623.6	671.4	614.1	420.0	337.3	315.0	311.8
50°	537.7	534.6	556.8	604.6	563.2	381.8	311.8	295.9	289.6
52.5°	477.3	477.3	493.2	544.1	515.5	346.8	289.6	273.6	270.5
55°	423.2	423.2	435.9	486.8	464.6	311.8	264.1	254.6	251.4
57.5°	369.1	369.1	381.8	426.4	416.8	280.0	245.0	232.3	232.3
60°	321.4	318.2	327.7	375.5	372.3	251.4	222.7	216.4	213.2
62.5°	273.6	270.5	280.0	321.4	324.6	222.7	203.6	197.3	197.3
65°	225.9	229.1	238.6	273.6	283.2	197.3	181.4	181.4	178.2
67.5°	187.7	190.9	197.3	229.1	241.8	171.8	162.3	162.3	162.3
70°	149.5	152.7	159.1	184.5	200.5	146.4	140.0	143.2	143.2
72.5°	114.5	117.7	124.1	143.2	159.1	120.9	120.9	124.1	124.1
75°	79.5	82.7	92.3	108.2	120.9	95.5	98.6	101.8	101.8
77.5°	54.1	54.1	60.5	73.2	85.9	70.0	76.4	79.5	82.7
80°	35.0	35.0	38.2	44.5	50.9	47.7	50.9	57.3	57.3
82.5°	15.9	15.9	19.1	19.1	22.3	22.3	25.5	25.5	28.6
85°	3.2	6.4	3.2	3.2	3.2	3.2	3.2	6.4	6.4
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)