

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: P303495

Luminaire Tested: **PR6FS24D010 PR6M24WW9FSMW 4000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303495
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-7)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR6FS24D010 PR6M24WW9FSMW 4000Lm3500K
Description: PR6 WALLWASH ASSEMBLY WITH, MATTE WHITE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3197.5 lumens
Efficiency: N/A
Efficacy: 82.0 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 1.13 / 1.11
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

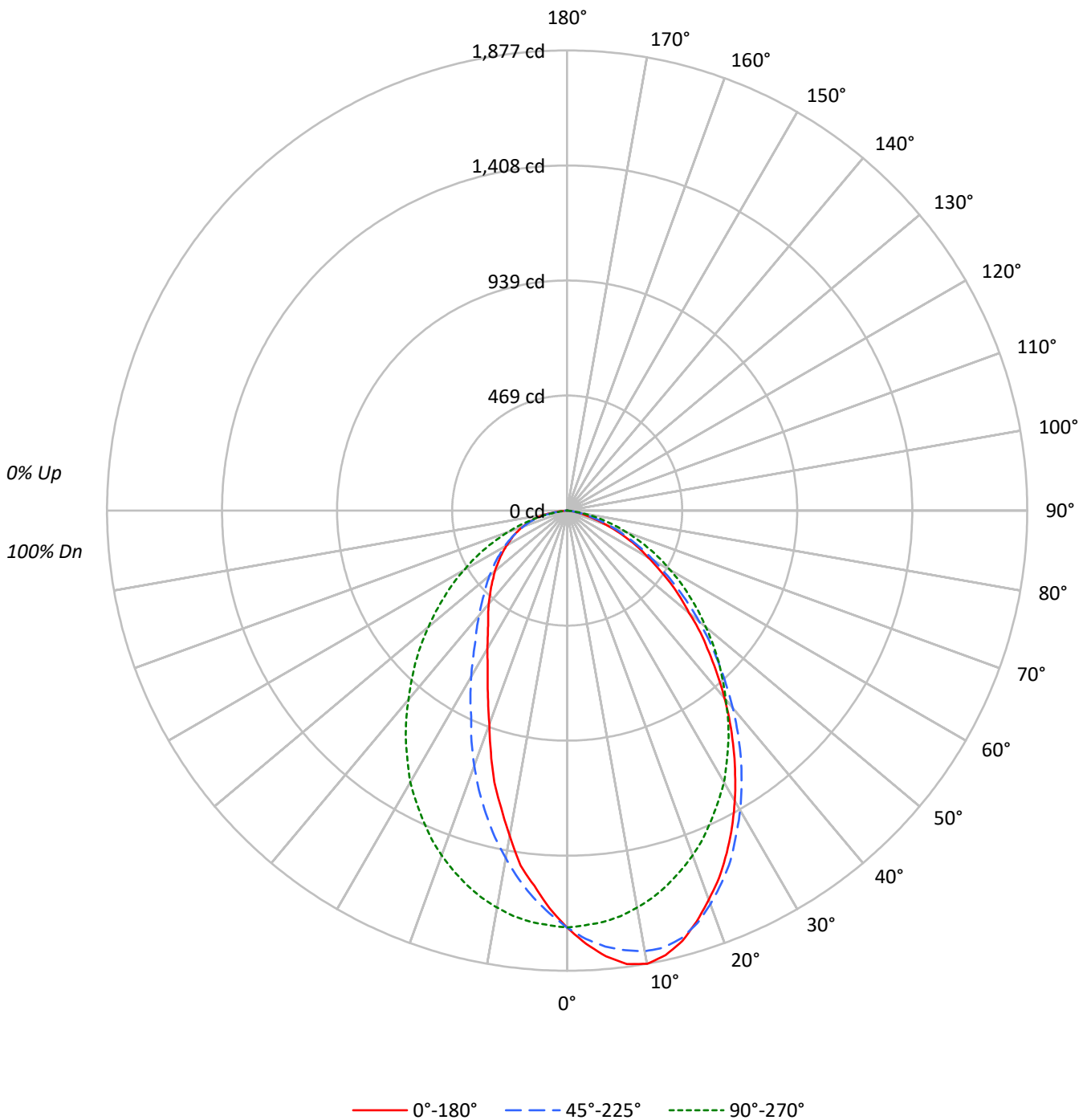
Input Watts (W): 39
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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CATALOG NUMBER: PR6F524D010 PR6M24WW9FSMW 4000Lm3500K

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	75	70	67	65					65			
4	86	76	68	62	84	74	67	61	72	65	60	70	64	60	68	63	59	57					57			
5	80	68	60	54	78	67	60	54	65	58	53	63	57	53	61	56	52	50					50			
6	74	62	54	48	73	61	53	48	59	53	47	58	52	47	56	51	47	45					45			
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	40					40			
8	65	52	44	39	63	52	44	39	50	43	39	49	43	38	48	42	38	36					36			
9	61	48	41	35	60	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	43	36	32	42	36	32	30					30			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	110961	110961	110961
5°	119532	110337	100619
10°	124366	108957	89288
15°	122737	106750	77491
20°	117249	103878	64332
25°	110886	100196	55155
30°	103049	96397	48952
35°	94251	91376	44728
40°	85063	85753	42361
45°	75500	80685	40338
50°	65952	74914	39086
55°	58407	69349	37865
60°	49726	63336	37161
65°	42113	56963	37157
70°	32142	48966	36720
75°	22258	39424	36399
80°	13563	24120	33175
85°	2994	2994	8983



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.1	5.0
10°-20°	430.4	13.5
20°-30°	582.1	18.2
30°-40°	612.6	19.2
40°-50°	548.4	17.2
50°-60°	427.9	13.4
60°-70°	283.7	8.9
70°-80°	135.3	4.2
80°-90°	17.9	0.6
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°	1171.6	36.6
0°-40°	1784.2	55.8
0°-60°	2760.5	86.3
0°-90°	3197.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3197.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1701	1701	1701	1701	1701	
5°	1825	1785	1685	1584	1536	176
15°	1817	1805	1580	1280	1147	508
25°	1540	1576	1392	927	766	707
35°	1183	1236	1147	654	562	739
45°	818	870	874	477	437	633
55°	514	546	610	353	333	458
65°	273	293	369	241	241	271
75°	88	108	156	136	144	99
85°	4	4	4	12	12	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°	1700.8	1700.8	1700.8	1700.8	1700.8	1700.8	1700.8	1700.8	1700.8
2.5°	1769.0	1761.0	1749.0	1720.9	1692.8	1664.7	1644.7	1628.6	1624.6
5°	1825.2	1813.1	1785.1	1740.9	1684.8	1632.6	1584.5	1552.4	1536.4
7.5°	1865.3	1849.2	1809.1	1749.0	1668.7	1584.5	1516.3	1464.2	1460.1
10°	1877.3	1865.3	1825.2	1749.0	1644.7	1540.4	1440.1	1371.9	1347.8
12.5°	1857.3	1853.3	1825.2	1740.9	1616.6	1484.2	1363.9	1275.6	1243.5
15°	1817.2	1817.2	1805.1	1724.9	1580.5	1428.1	1279.6	1179.3	1147.3
17.5°	1757.0	1761.0	1765.0	1700.8	1540.4	1359.9	1195.4	1079.1	1034.9
20°	1688.8	1700.8	1708.8	1664.7	1496.2	1295.7	1107.1	966.7	926.6
22.5°	1620.6	1628.6	1644.7	1624.6	1448.1	1227.5	1018.9	878.5	842.4
25°	1540.4	1548.4	1576.5	1572.5	1391.9	1159.3	926.6	802.3	766.2
27.5°	1456.1	1468.2	1492.2	1508.3	1335.8	1087.1	854.4	734.1	702.0
30°	1367.9	1379.9	1412.0	1440.1	1279.6	1014.9	782.2	673.9	649.8
32.5°	1275.6	1287.7	1323.8	1363.9	1211.4	942.7	714.0	625.8	601.7
35°	1183.4	1195.4	1235.5	1275.6	1147.3	870.5	653.9	581.7	561.6
37.5°	1091.1	1103.1	1143.2	1195.4	1079.1	806.3	605.7	541.5	529.5
40°	998.8	1010.9	1051.0	1111.2	1006.9	734.1	557.6	505.4	497.4
42.5°	906.6	922.6	958.7	1022.9	938.7	669.9	517.5	477.4	465.3
45°	818.3	830.4	870.5	942.7	874.5	609.7	477.4	445.3	437.2
47.5°	738.1	742.1	786.2	858.4	806.3	553.6	445.3	417.2	409.2
50°	649.8	665.9	702.0	778.2	738.1	501.4	413.2	389.1	385.1
52.5°	581.7	585.7	621.8	702.0	673.9	453.3	381.1	365.0	357.0
55°	513.5	521.5	545.5	621.8	609.7	409.2	353.0	337.0	332.9
57.5°	441.3	449.3	473.3	549.6	549.6	369.0	320.9	308.9	308.9
60°	381.1	389.1	409.2	477.4	485.4	332.9	296.8	288.8	284.8
62.5°	328.9	332.9	349.0	413.2	429.2	292.8	268.8	264.8	260.7
65°	272.8	276.8	292.8	349.0	369.0	260.7	240.7	240.7	240.7
67.5°	220.6	224.6	240.7	284.8	312.9	224.6	216.6	216.6	216.6
70°	168.5	176.5	192.5	228.6	256.7	192.5	188.5	192.5	192.5
72.5°	124.4	132.4	148.4	180.5	208.6	160.5	164.5	168.5	172.5
75°	88.3	92.3	108.3	132.4	156.4	128.4	136.4	140.4	144.4
77.5°	60.2	64.2	72.2	92.3	112.3	96.3	104.3	112.3	120.3
80°	36.1	36.1	40.1	52.1	64.2	64.2	72.2	84.2	88.3
82.5°	16.0	16.0	20.1	24.1	28.1	32.1	40.1	44.1	44.1
85°	4.0	4.0	4.0	4.0	4.0	8.0	12.0	12.0	12.0
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)