

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: P303496

Luminaire Tested: **PR6FS24D010 PR6M24WW9FSMW 4000Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303496
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 4000Lm4000K
Description: PR6 WALLWASH ASSEMBLY WITH, MATTE WHITE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2883.3 lumens
Efficiency: N/A
Efficacy: 64.1 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

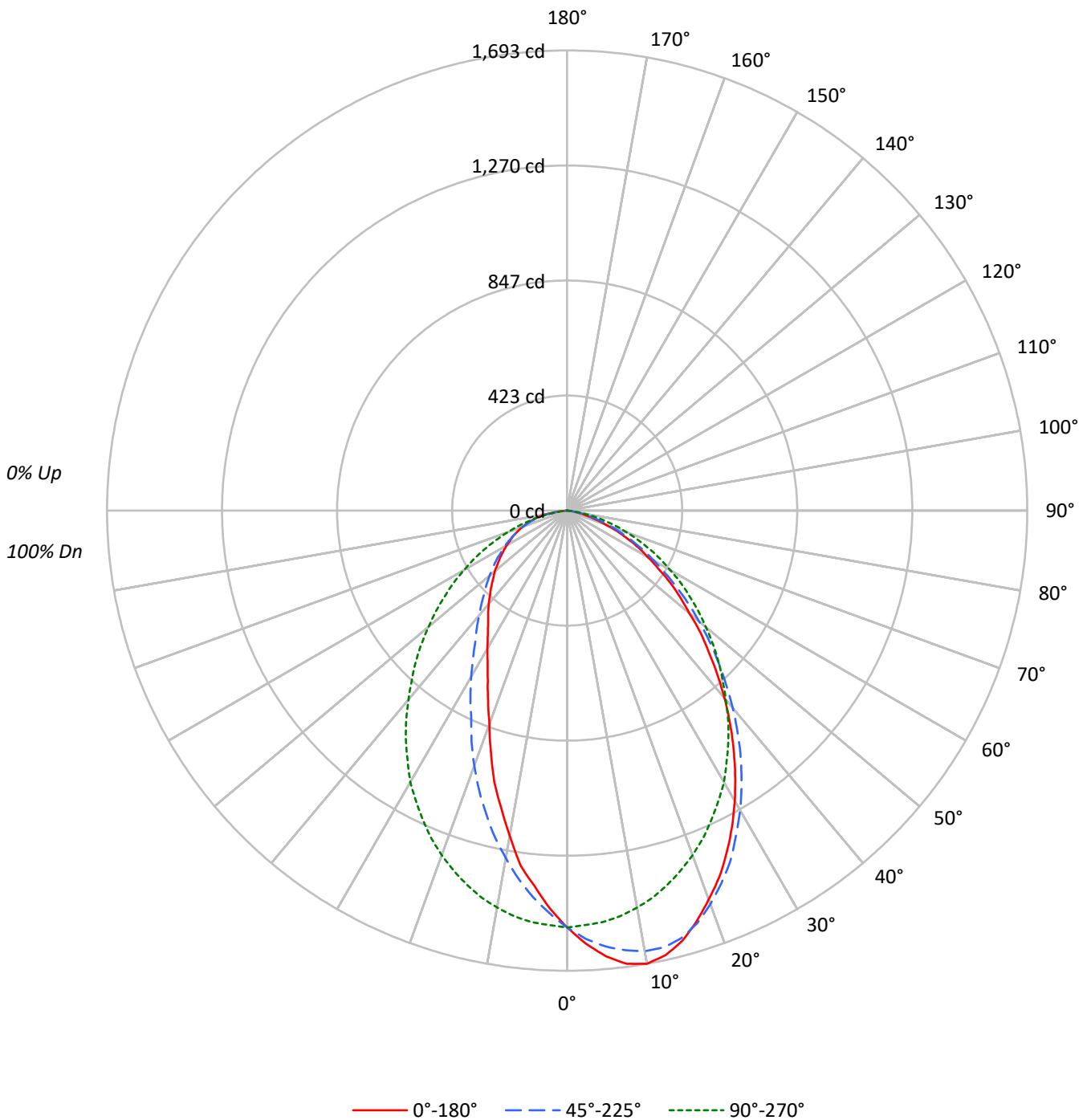
Input Watts (W): 45
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	100060	100060	100060
5°	107790	99499	90730
10°	112150	98251	80517
15°	110674	96261	69872
20°	105731	93672	58014
25°	99987	90356	49734
30°	92924	86927	44145
35°	84988	82392	40332
40°	76709	77322	38197
45°	68082	72760	36380
50°	59477	67556	35250
55°	52663	62536	34146
60°	44833	57112	33508
65°	37976	51375	33499
70°	28975	44159	33114
75°	20065	35567	32820
80°	12248	21753	29906
85°	2695	2695	8159



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.4	5.0
10°-20°	388.1	13.5
20°-30°	525.0	18.2
30°-40°	552.4	19.2
40°-50°	494.5	17.2
50°-60°	385.9	13.4
60°-70°	255.8	8.9
70°-80°	122.0	4.2
80°-90°	16.2	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°	1056.5	36.6
0°-40°	1608.9	55.8
0°-60°	2489.3	86.3
0°-90°	2883.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2883.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1534	1534	1534	1534	1534	
5°	1646	1610	1519	1429	1385	158
15°	1639	1628	1425	1154	1034	459
25°	1389	1422	1255	836	691	637
35°	1067	1114	1034	590	506	666
45°	738	785	789	430	394	571
55°	463	492	550	318	300	413
65°	246	264	333	217	217	244
75°	80	98	141	123	130	89
85°	4	4	4	11	11	9
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°	1533.7	1533.7	1533.7	1533.7	1533.7	1533.7	1533.7	1533.7	1533.7
2.5°	1595.2	1588.0	1577.1	1551.8	1526.5	1501.2	1483.1	1468.6	1465.0
5°	1645.9	1635.0	1609.7	1569.9	1519.3	1472.2	1428.8	1399.9	1385.4
7.5°	1682.0	1667.6	1631.4	1577.1	1504.8	1428.8	1367.3	1320.3	1316.7
10°	1692.9	1682.0	1645.9	1577.1	1483.1	1389.0	1298.6	1237.1	1215.4
12.5°	1674.8	1671.2	1645.9	1569.9	1457.8	1338.4	1229.9	1150.3	1121.4
15°	1638.6	1638.6	1627.8	1555.4	1425.2	1287.7	1153.9	1063.5	1034.5
17.5°	1584.4	1588.0	1591.6	1533.7	1389.0	1226.3	1077.9	973.0	933.3
20°	1522.9	1533.7	1541.0	1501.2	1349.2	1168.4	998.4	871.8	835.6
22.5°	1461.4	1468.6	1483.1	1465.0	1305.8	1106.9	918.8	792.2	759.6
25°	1389.0	1396.3	1421.6	1418.0	1255.2	1045.4	835.6	723.5	690.9
27.5°	1313.1	1323.9	1345.6	1360.1	1204.6	980.3	770.5	662.0	633.0
30°	1233.5	1244.3	1273.3	1298.6	1153.9	915.2	705.4	607.7	586.0
32.5°	1150.3	1161.1	1193.7	1229.9	1092.4	850.1	643.9	564.3	542.6
35°	1067.1	1077.9	1114.1	1150.3	1034.5	784.9	589.6	524.5	506.4
37.5°	983.9	994.7	1030.9	1077.9	973.0	727.1	546.2	488.3	477.5
40°	900.7	911.6	947.7	1002.0	907.9	662.0	502.8	455.8	448.5
42.5°	817.5	832.0	864.5	922.4	846.4	604.1	466.6	430.5	419.6
45°	737.9	748.8	784.9	850.1	788.6	549.8	430.5	401.5	394.3
47.5°	665.6	669.2	709.0	774.1	727.1	499.2	401.5	376.2	369.0
50°	586.0	600.5	633.0	701.8	665.6	452.2	372.6	350.9	347.3
52.5°	524.5	528.1	560.7	633.0	607.7	408.8	343.6	329.2	321.9
55°	463.0	470.2	491.9	560.7	549.8	369.0	318.3	303.9	300.2
57.5°	397.9	405.1	426.8	495.6	495.6	332.8	289.4	278.5	278.5
60°	343.6	350.9	369.0	430.5	437.7	300.2	267.7	260.4	256.8
62.5°	296.6	300.2	314.7	372.6	387.0	264.1	242.4	238.7	235.1
65°	246.0	249.6	264.1	314.7	332.8	235.1	217.0	217.0	217.0
67.5°	198.9	202.6	217.0	256.8	282.1	202.6	195.3	195.3	195.3
70°	151.9	159.2	173.6	206.2	231.5	173.6	170.0	173.6	173.6
72.5°	112.1	119.4	133.8	162.8	188.1	144.7	148.3	151.9	155.5
75°	79.6	83.2	97.7	119.4	141.1	115.8	123.0	126.6	130.2
77.5°	54.3	57.9	65.1	83.2	101.3	86.8	94.0	101.3	108.5
80°	32.6	32.6	36.2	47.0	57.9	57.9	65.1	76.0	79.6
82.5°	14.5	14.5	18.1	21.7	25.3	28.9	36.2	39.8	39.8
85°	3.6	3.6	3.6	3.6	3.6	7.2	10.9	10.9	10.9
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)