

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: P303491

Luminaire Tested: **PR6FS24D010 PR6M24WW8FSMW 4000Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303491
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 PR6M24WW8FSMW 4000Lm3000K
Description: PR6 WALLWASH ASSEMBLY WITH, MATTE WHITE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3101.2 lumens
Efficiency: N/A
Efficacy: 68.9 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

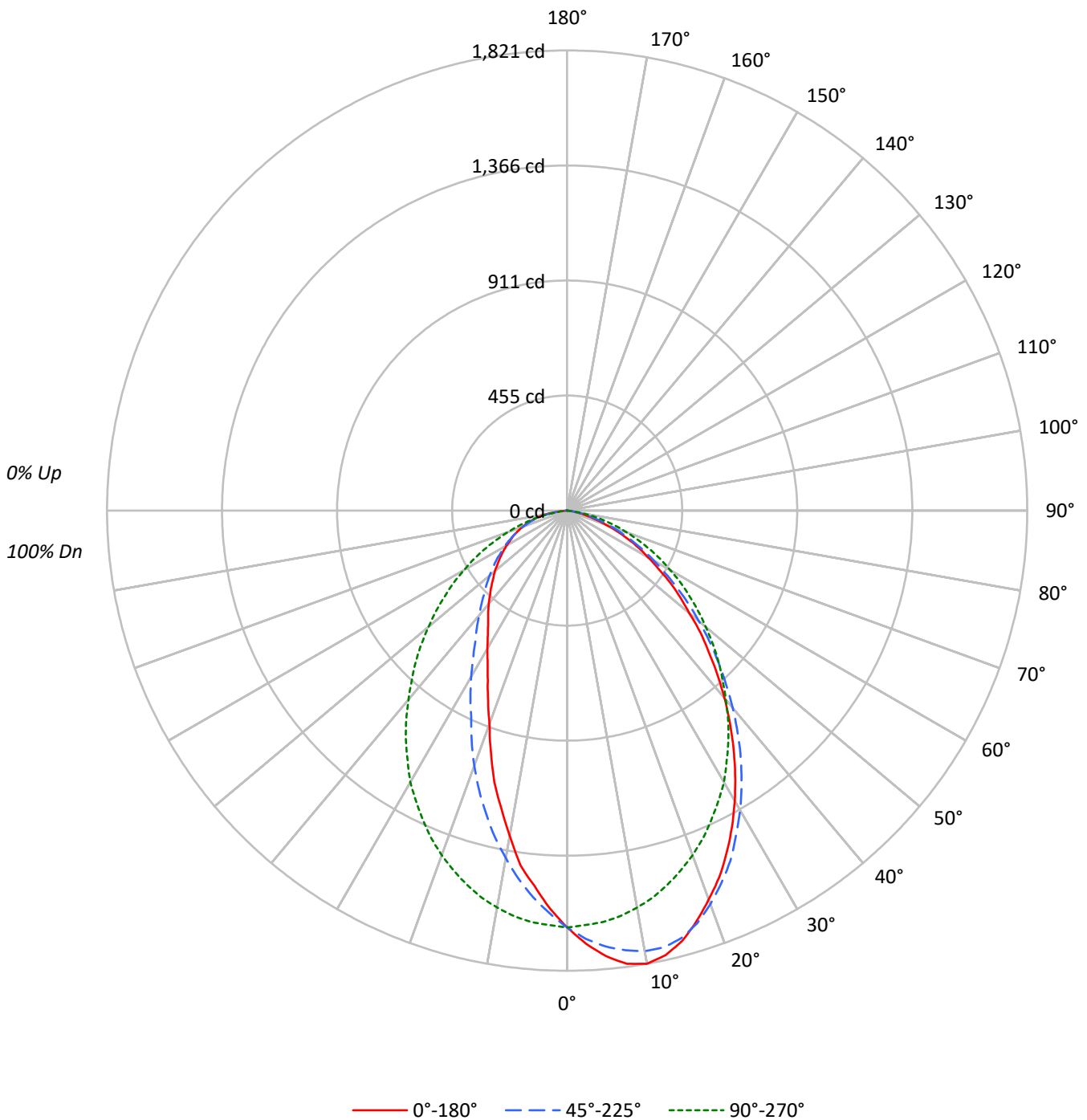
Input Watts (W): 45
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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CATALOG NUMBER: PR6F524D010 PR6M24WW8FSMW 4000Lm3000K

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°	107621	107621	107621
5°	115930	107017	97586
10°	120623	105677	86598
15°	119043	103535	75154
20°	113722	100753	62395
25°	107546	97180	53492
30°	99945	93496	47483
35°	91408	88620	43382
40°	82508	83164	41084
45°	73230	78258	39129
50°	63973	72661	37909
55°	56644	67268	36728
60°	48226	61431	36039
65°	40847	55250	36031
70°	31169	47497	35613
75°	21577	38239	35315
80°	13150	23369	32160
85°	2919	2919	8758



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.3	5.0
10°-20°	417.4	13.5
20°-30°	564.6	18.2
30°-40°	594.2	19.2
40°-50°	531.9	17.2
50°-60°	415.0	13.4
60°-70°	275.2	8.9
70°-80°	131.2	4.2
80°-90°	17.4	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°	1136.3	36.6
0°-40°	1730.5	55.8
0°-60°	2677.4	86.3
0°-90°	3101.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3101.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1650	1650	1650	1650	1650	
5°	1770	1731	1634	1537	1490	170
15°	1762	1751	1533	1241	1113	493
25°	1494	1529	1350	899	743	685
35°	1148	1198	1113	634	545	717
45°	794	844	848	463	424	614
55°	498	529	591	342	323	444
65°	265	284	358	233	233	263
75°	86	105	152	132	140	96
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°	1649.6	1649.6	1649.6	1649.6	1649.6	1649.6	1649.6	1649.6	1649.6
2.5°	1715.8	1708.0	1696.3	1669.1	1641.8	1614.6	1595.2	1579.6	1575.7
5°	1770.2	1758.6	1731.3	1688.5	1634.1	1583.5	1536.8	1505.7	1490.1
7.5°	1809.1	1793.6	1754.7	1696.3	1618.5	1536.8	1470.7	1420.1	1416.2
10°	1820.8	1809.1	1770.2	1696.3	1595.2	1494.0	1396.7	1330.6	1307.2
12.5°	1801.4	1797.5	1770.2	1688.5	1567.9	1439.5	1322.8	1237.2	1206.1
15°	1762.5	1762.5	1750.8	1673.0	1532.9	1385.1	1241.1	1143.8	1112.7
17.5°	1704.1	1708.0	1711.9	1649.6	1494.0	1318.9	1159.4	1046.6	1003.8
20°	1638.0	1649.6	1657.4	1614.6	1451.2	1256.7	1073.8	937.6	898.7
22.5°	1571.8	1579.6	1595.2	1575.7	1404.5	1190.5	988.2	852.0	817.0
25°	1494.0	1501.8	1529.0	1525.1	1350.0	1124.4	898.7	778.1	743.1
27.5°	1412.3	1424.0	1447.3	1462.9	1295.6	1054.4	828.7	712.0	680.9
30°	1326.7	1338.4	1369.5	1396.7	1241.1	984.3	758.7	653.6	630.3
32.5°	1237.2	1248.9	1283.9	1322.8	1175.0	914.3	692.5	606.9	583.6
35°	1147.7	1159.4	1198.3	1237.2	1112.7	844.3	634.2	564.1	544.7
37.5°	1058.2	1069.9	1108.8	1159.4	1046.6	782.0	587.5	525.2	513.6
40°	968.8	980.4	1019.3	1077.7	976.5	712.0	540.8	490.2	482.4
42.5°	879.3	894.8	929.9	992.1	910.4	649.7	501.9	463.0	451.3
45°	793.7	805.4	844.3	914.3	848.2	591.4	463.0	431.9	424.1
47.5°	715.9	719.8	762.6	832.6	782.0	536.9	431.9	404.6	396.8
50°	630.3	645.8	680.9	754.8	715.9	486.3	400.7	377.4	373.5
52.5°	564.1	568.0	603.0	680.9	653.6	439.6	369.6	354.0	346.3
55°	498.0	505.8	529.1	603.0	591.4	396.8	342.4	326.8	322.9
57.5°	428.0	435.7	459.1	533.0	533.0	357.9	311.2	299.6	299.6
60°	369.6	377.4	396.8	463.0	470.8	322.9	287.9	280.1	276.2
62.5°	319.0	322.9	338.5	400.7	416.3	284.0	260.7	256.8	252.9
65°	264.6	268.5	284.0	338.5	357.9	252.9	233.4	233.4	233.4
67.5°	214.0	217.9	233.4	276.2	303.5	217.9	210.1	210.1	210.1
70°	163.4	171.2	186.7	221.8	249.0	186.7	182.9	186.7	186.7
72.5°	120.6	128.4	144.0	175.1	202.3	155.6	159.5	163.4	167.3
75°	85.6	89.5	105.0	128.4	151.7	124.5	132.3	136.2	140.1
77.5°	58.4	62.2	70.0	89.5	108.9	93.4	101.2	108.9	116.7
80°	35.0	35.0	38.9	50.6	62.2	62.2	70.0	81.7	85.6
82.5°	15.6	15.6	19.5	23.3	27.2	31.1	38.9	42.8	42.8
85°	3.9	3.9	3.9	3.9	3.9	7.8	11.7	11.7	11.7
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)