

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: P303521

Luminaire Tested: **PR6FS24D010 PR6M24WW8FSMMS 4000Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303521
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-8)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR6FS24D010 PR6M24WW8FSMMS 4000lm3000K
Description: PR6 WALLWASH ASSEMBLY WITH, MATTE METALLIC SILVER FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3078.6 lumens
Efficiency: N/A
Efficacy: 68.4 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

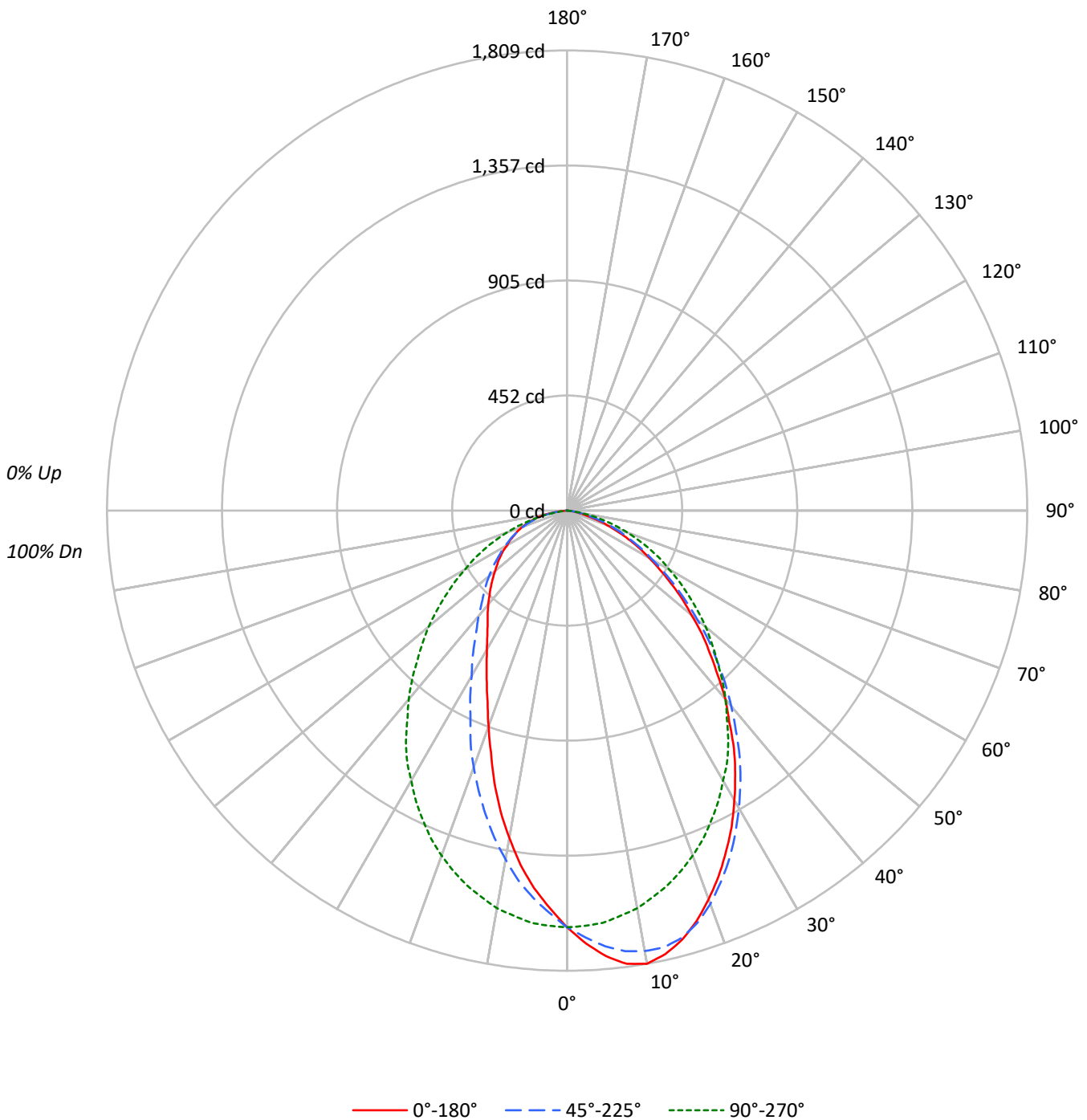
Input Watts (W): 45
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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CATALOG NUMBER: PR6F524D010 PR6M24WW8FSMMS 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	62	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	33	56	44	37	32	43	37	32	43	36	32	42	36	32	30					30			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	106851	106851	106851
5°	115157	106500	97580
10°	119841	105154	86598
15°	117982	103002	74627
20°	112903	100205	62665
25°	106416	96618	53766
30°	99056	92321	47475
35°	91097	87999	43374
40°	82500	82500	41084
45°	73221	76810	39120
50°	64755	72255	37513
55°	56644	66381	36728
60°	48735	60413	35530
65°	40832	55250	35428
70°	31913	48241	35613
75°	21577	38239	34332
80°	13150	23369	30695
85°	2919	2919	8758



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.5	5.0
10°-20°	415.0	13.5
20°-30°	560.7	18.2
30°-40°	589.4	19.1
40°-50°	527.4	17.1
50°-60°	411.3	13.4
60°-70°	273.5	8.9
70°-80°	130.9	4.3
80°-90°	17.0	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°	1129.2	36.7
0°-40°	1718.5	55.8
0°-60°	2657.3	86.3
0°-90°	3078.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3078.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1638	1638	1638	1638	1638	
5°	1758	1720	1626	1529	1490	169
15°	1747	1739	1525	1237	1105	489
25°	1478	1510	1342	899	747	679
35°	1144	1183	1105	634	545	712
45°	794	832	832	463	424	615
55°	498	521	584	338	323	447
65°	264	280	358	233	230	264
75°	86	105	152	128	136	97
85°	4	4	4	8	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°	1637.8	1637.8	1637.8	1637.8	1637.8	1637.8	1637.8	1637.8	1637.8
2.5°	1704.0	1696.2	1680.6	1661.2	1633.9	1606.7	1583.4	1571.7	1563.9
5°	1758.4	1746.8	1719.5	1676.7	1626.2	1575.6	1528.9	1501.7	1490.0
7.5°	1797.3	1781.8	1746.8	1684.5	1606.7	1532.8	1466.7	1416.1	1404.4
10°	1809.0	1797.3	1758.4	1688.4	1587.3	1486.1	1392.7	1330.5	1307.2
12.5°	1785.7	1785.7	1758.4	1676.7	1556.1	1431.7	1318.8	1237.1	1209.9
15°	1746.8	1742.9	1739.0	1661.2	1525.0	1373.3	1237.1	1143.8	1104.9
17.5°	1692.3	1692.3	1700.1	1633.9	1486.1	1311.0	1155.4	1042.6	995.9
20°	1626.2	1633.9	1645.6	1602.8	1443.3	1252.7	1073.7	945.4	902.6
22.5°	1556.1	1560.0	1579.5	1560.0	1396.6	1182.7	992.0	852.0	817.0
25°	1478.3	1490.0	1509.5	1505.6	1342.2	1116.5	898.7	778.1	746.9
27.5°	1400.5	1412.2	1431.7	1451.1	1287.7	1050.4	824.8	711.9	684.7
30°	1314.9	1322.7	1350.0	1377.2	1225.5	976.5	750.8	657.5	630.2
32.5°	1229.4	1241.0	1268.3	1303.3	1171.0	910.3	692.5	606.9	583.6
35°	1143.8	1151.5	1182.7	1225.5	1104.9	844.2	634.1	564.1	544.6
37.5°	1046.5	1058.2	1089.3	1139.9	1030.9	778.1	583.6	525.2	513.5
40°	968.7	972.6	1003.7	1058.2	968.7	715.8	540.8	494.1	482.4
42.5°	875.3	887.0	918.1	980.4	902.6	645.8	498.0	459.1	451.3
45°	793.6	801.4	832.5	898.7	832.5	591.3	463.0	431.8	424.0
47.5°	719.7	715.8	754.7	817.0	770.3	533.0	431.8	400.7	396.8
50°	638.0	638.0	669.1	739.2	711.9	486.3	400.7	377.4	369.6
52.5°	568.0	564.1	591.3	669.1	645.8	439.6	369.6	350.1	346.2
55°	498.0	501.9	521.3	595.2	583.6	396.8	338.5	326.8	322.9
57.5°	431.8	435.7	451.3	521.3	525.2	357.9	311.2	299.6	299.6
60°	373.5	373.5	389.0	455.2	463.0	319.0	284.0	276.2	272.3
62.5°	319.0	319.0	334.6	389.0	412.4	284.0	256.8	252.9	252.9
65°	264.5	268.4	280.1	330.7	357.9	252.9	233.4	233.4	229.5
67.5°	214.0	217.9	233.4	280.1	303.4	221.8	206.2	210.1	210.1
70°	167.3	175.1	190.6	221.8	252.9	186.7	182.8	186.7	186.7
72.5°	124.5	132.3	147.8	175.1	202.3	155.6	155.6	159.5	163.4
75°	85.6	89.5	105.0	128.4	151.7	124.5	128.4	136.2	136.2
77.5°	58.4	62.2	70.0	85.6	105.0	93.4	101.1	108.9	112.8
80°	35.0	35.0	42.8	50.6	62.2	62.2	70.0	77.8	81.7
82.5°	15.6	15.6	19.5	23.3	27.2	31.1	38.9	38.9	42.8
85°	3.9	3.9	3.9	3.9	3.9	7.8	7.8	7.8	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)