

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: P303487

Luminaire Tested: **PR6FS24D010 PR6M24WW8FSMW 3000Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303487
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 3000Lm4000K
Description: PR6 WALLWASH ASSEMBLY WITH, MATTE WHITE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2535.5 lumens
Efficiency: N/A
Efficacy: 89.0 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

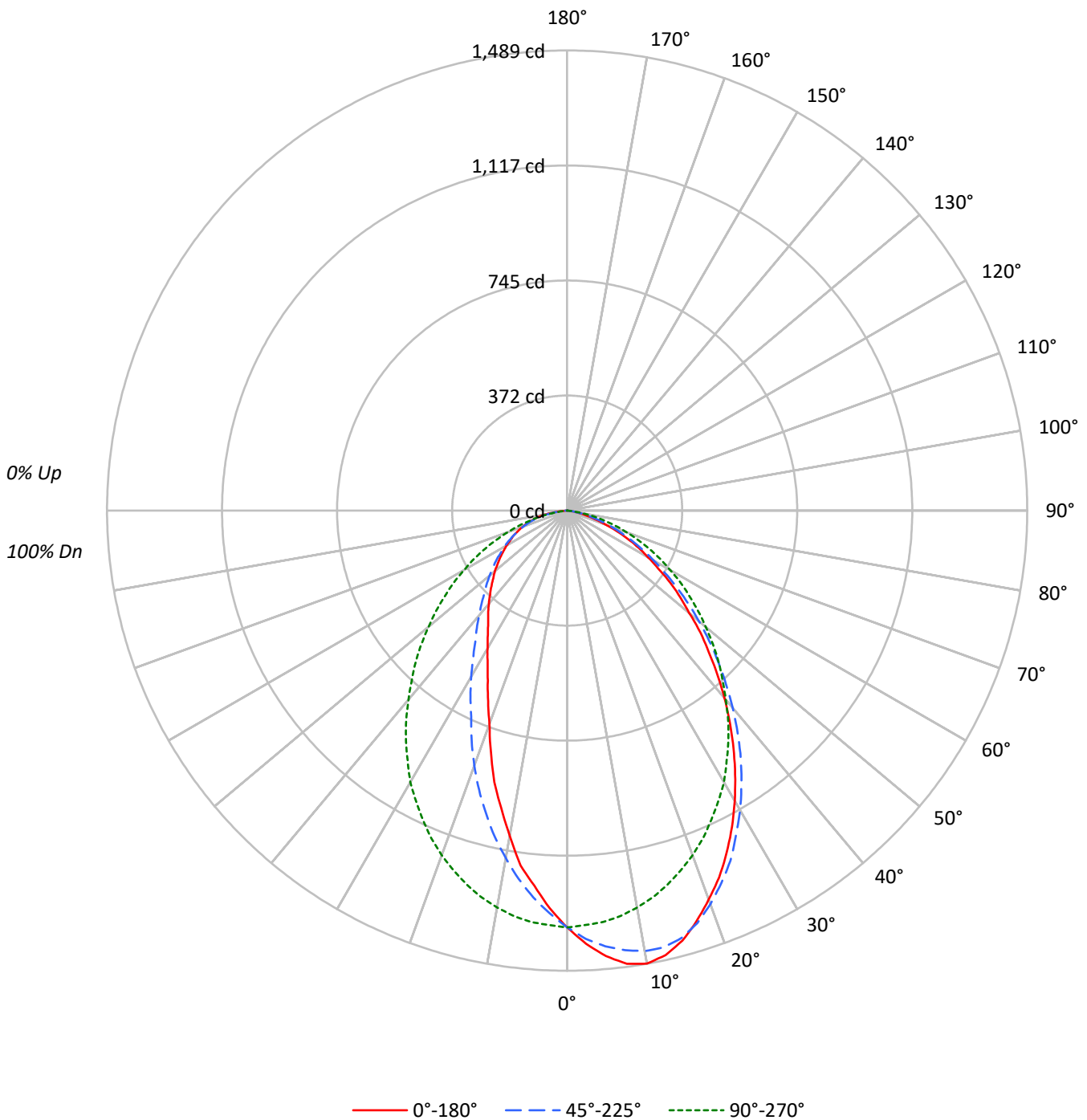
Input Watts (W): 28.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	87990	87990	87990
5°	94783	87494	79786
10°	98622	86399	70805
15°	97328	84650	61443
20°	92977	82376	51015
25°	87930	79457	43738
30°	81714	76441	38819
35°	74738	72452	35466
40°	67460	67996	33589
45°	59870	63976	31988
50°	52301	59406	30997
55°	46316	54995	30028
60°	39431	50222	29463
65°	33391	45169	29470
70°	25484	38837	29128
75°	17645	31282	28862
80°	10745	19123	26299
85°	2395	2395	7111



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.1	5.0
10°-20°	341.3	13.5
20°-30°	461.6	18.2
30°-40°	485.8	19.2
40°-50°	434.9	17.2
50°-60°	339.3	13.4
60°-70°	225.0	8.9
70°-80°	107.3	4.2
80°-90°	14.2	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°	929.1	36.6
0°-40°	1414.9	55.8
0°-60°	2189.0	86.3
0°-90°	2535.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2535.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1349	1349	1349	1349	1349	
5°	1447	1416	1336	1256	1218	139
15°	1441	1431	1253	1015	910	403
25°	1222	1250	1104	735	608	560
35°	938	980	910	518	445	586
45°	649	690	693	378	347	502
55°	407	433	484	280	264	363
65°	216	232	293	191	191	215
75°	70	86	124	108	114	78
85°	3	3	3	10	10	8
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°	1348.7	1348.7	1348.7	1348.7	1348.7	1348.7	1348.7	1348.7	1348.7
2.5°	1402.8	1396.4	1386.9	1364.6	1342.4	1320.1	1304.2	1291.5	1288.3
5°	1447.3	1437.8	1415.5	1380.5	1336.0	1294.6	1256.5	1231.0	1218.3
7.5°	1479.1	1466.4	1434.6	1386.9	1323.3	1256.5	1202.4	1161.0	1157.9
10°	1488.7	1479.1	1447.3	1386.9	1304.2	1221.5	1142.0	1087.9	1068.8
12.5°	1472.8	1469.6	1447.3	1380.5	1281.9	1176.9	1081.5	1011.5	986.1
15°	1441.0	1441.0	1431.4	1367.8	1253.3	1132.4	1014.7	935.2	909.7
17.5°	1393.3	1396.4	1399.6	1348.7	1221.5	1078.3	947.9	855.7	820.7
20°	1339.2	1348.7	1355.1	1320.1	1186.5	1027.4	877.9	766.6	734.8
22.5°	1285.1	1291.5	1304.2	1288.3	1148.3	973.4	808.0	696.6	668.0
25°	1221.5	1227.8	1250.1	1246.9	1103.8	919.3	734.8	636.2	607.6
27.5°	1154.7	1164.2	1183.3	1196.0	1059.3	862.0	677.5	582.1	556.7
30°	1084.7	1094.2	1119.7	1142.0	1014.7	804.8	620.3	534.4	515.3
32.5°	1011.5	1021.1	1049.7	1081.5	960.6	747.5	566.2	496.2	477.1
35°	938.4	947.9	979.7	1011.5	909.7	690.3	518.5	461.2	445.3
37.5°	865.2	874.8	906.6	947.9	855.7	639.4	480.3	429.4	419.9
40°	792.1	801.6	833.4	881.1	798.4	582.1	442.2	400.8	394.4
42.5°	718.9	731.6	760.2	811.1	744.3	531.2	410.3	378.5	369.0
45°	648.9	658.5	690.3	747.5	693.4	483.5	378.5	353.1	346.7
47.5°	585.3	588.5	623.5	680.7	639.4	439.0	353.1	330.8	324.5
50°	515.3	528.0	556.7	617.1	585.3	397.6	327.6	308.6	305.4
52.5°	461.2	464.4	493.0	556.7	534.4	359.4	302.2	289.5	283.1
55°	407.2	413.5	432.6	493.0	483.5	324.5	279.9	267.2	264.0
57.5°	349.9	356.3	375.4	435.8	435.8	292.6	254.5	244.9	244.9
60°	302.2	308.6	324.5	378.5	384.9	264.0	235.4	229.0	225.8
62.5°	260.8	264.0	276.7	327.6	340.4	232.2	213.1	209.9	206.8
65°	216.3	219.5	232.2	276.7	292.6	206.8	190.9	190.9	190.9
67.5°	175.0	178.1	190.9	225.8	248.1	178.1	171.8	171.8	171.8
70°	133.6	140.0	152.7	181.3	203.6	152.7	149.5	152.7	152.7
72.5°	98.6	105.0	117.7	143.1	165.4	127.2	130.4	133.6	136.8
75°	70.0	73.2	85.9	105.0	124.1	101.8	108.2	111.3	114.5
77.5°	47.7	50.9	57.3	73.2	89.1	76.3	82.7	89.1	95.4
80°	28.6	28.6	31.8	41.4	50.9	50.9	57.3	66.8	70.0
82.5°	12.7	12.7	15.9	19.1	22.3	25.4	31.8	35.0	35.0
85°	3.2	3.2	3.2	3.2	3.2	6.4	9.5	9.5	9.5
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)