

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: P303485

Luminaire Tested: **PR6FS24D010 PR6M24WW8FSMW 3000Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303485
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 3000Lm3000K
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: 2154.9 lumens
Efficiency: N/A
Efficacy: 75.6 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

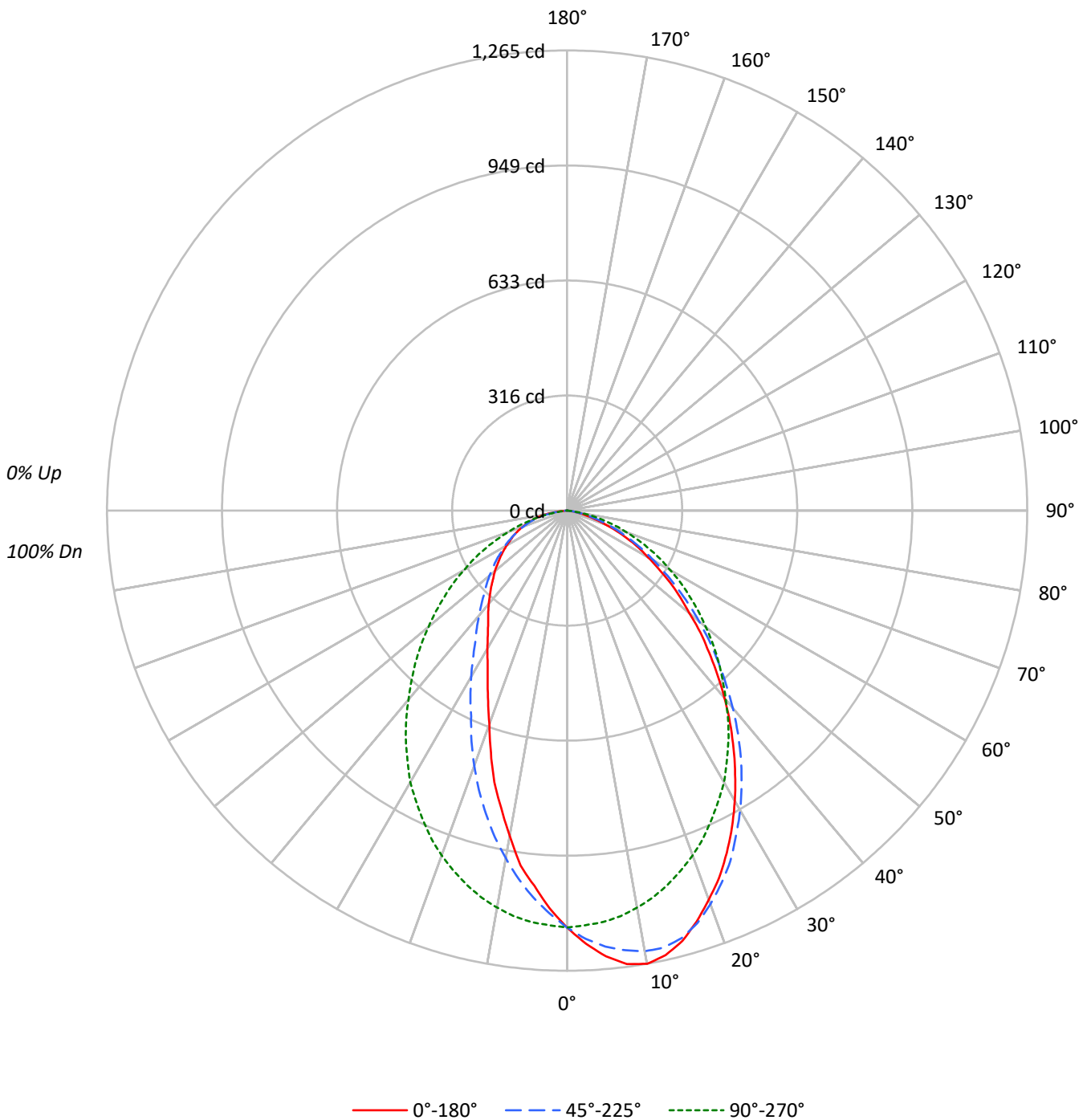
Input Watts (W): 28.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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CATALOG NUMBER: PR6F524D010 PR6M24WW8FSMW 3000Lm3000K

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°	74779	74779	74779
5°	80559	74357	67808
10°	83816	73428	60172
15°	82712	71939	52224
20°	79016	70011	43358
25°	74728	67529	37173
30°	69450	64968	32996
35°	63516	61581	30145
40°	57333	57793	28548
45°	50884	54371	27190
50°	44455	50484	26338
55°	39355	46737	25524
60°	33508	42680	25039
65°	28374	38392	25039
70°	21650	33000	24759
75°	14998	26568	24526
80°	9130	16268	22354
85°	2021	2021	6063



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.2	5.0
10°-20°	290.0	13.5
20°-30°	392.3	18.2
30°-40°	412.9	19.2
40°-50°	369.6	17.2
50°-60°	288.4	13.4
60°-70°	191.2	8.9
70°-80°	91.2	4.2
80°-90°	12.1	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°	789.6	36.6
0°-40°	1202.5	55.8
0°-60°	1860.4	86.3
0°-90°	2154.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2154.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1146	1146	1146	1146	1146	
5°	1230	1203	1135	1068	1035	118
15°	1225	1216	1065	862	773	343
25°	1038	1062	938	624	516	476
35°	798	833	773	441	378	498
45°	552	587	589	322	295	426
55°	346	368	411	238	224	309
65°	184	197	249	162	162	183
75°	60	73	105	92	97	67
85°	3	3	3	8	8	7
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°	1146.2	1146.2	1146.2	1146.2	1146.2	1146.2	1146.2	1146.2	1146.2
2.5°	1192.2	1186.8	1178.7	1159.8	1140.8	1121.9	1108.4	1097.6	1094.9
5°	1230.1	1221.9	1203.0	1173.3	1135.4	1100.3	1067.9	1046.2	1035.4
7.5°	1257.1	1246.3	1219.2	1178.7	1124.6	1067.9	1021.9	986.7	984.0
10°	1265.2	1257.1	1230.1	1178.7	1108.4	1038.1	970.5	924.6	908.3
12.5°	1251.7	1249.0	1230.1	1173.3	1089.5	1000.3	919.2	859.7	838.1
15°	1224.6	1224.6	1216.5	1162.5	1065.1	962.4	862.4	794.8	773.2
17.5°	1184.1	1186.8	1189.5	1146.2	1038.1	916.5	805.6	727.2	697.5
20°	1138.1	1146.2	1151.7	1121.9	1008.4	873.2	746.1	651.5	624.5
22.5°	1092.2	1097.6	1108.4	1094.9	975.9	827.2	686.7	592.0	567.7
25°	1038.1	1043.5	1062.4	1059.7	938.1	781.3	624.5	540.7	516.4
27.5°	981.3	989.5	1005.7	1016.5	900.2	732.6	575.8	494.7	473.1
30°	921.9	930.0	951.6	970.5	862.4	684.0	527.2	454.2	438.0
32.5°	859.7	867.8	892.1	919.2	816.4	635.3	481.2	421.7	405.5
35°	797.5	805.6	832.7	859.7	773.2	586.6	440.7	392.0	378.5
37.5°	735.3	743.4	770.5	805.6	727.2	543.4	408.2	365.0	356.9
40°	673.2	681.3	708.3	748.8	678.6	494.7	375.8	340.6	335.2
42.5°	611.0	621.8	646.1	689.4	632.6	451.5	348.7	321.7	313.6
45°	551.5	559.6	586.6	635.3	589.3	410.9	321.7	300.1	294.7
47.5°	497.4	500.1	529.9	578.5	543.4	373.1	300.1	281.2	275.7
50°	438.0	448.8	473.1	524.5	497.4	337.9	278.5	262.2	259.5
52.5°	392.0	394.7	419.0	473.1	454.2	305.5	256.8	246.0	240.6
55°	346.0	351.4	367.7	419.0	410.9	275.7	237.9	227.1	224.4
57.5°	297.4	302.8	319.0	370.4	370.4	248.7	216.3	208.2	208.2
60°	256.8	262.2	275.7	321.7	327.1	224.4	200.1	194.6	191.9
62.5°	221.7	224.4	235.2	278.5	289.3	197.3	181.1	178.4	175.7
65°	183.8	186.5	197.3	235.2	248.7	175.7	162.2	162.2	162.2
67.5°	148.7	151.4	162.2	191.9	210.9	151.4	146.0	146.0	146.0
70°	113.5	119.0	129.8	154.1	173.0	129.8	127.1	129.8	129.8
72.5°	83.8	89.2	100.0	121.7	140.6	108.1	110.8	113.5	116.2
75°	59.5	62.2	73.0	89.2	105.4	86.5	91.9	94.6	97.3
77.5°	40.6	43.3	48.7	62.2	75.7	64.9	70.3	75.7	81.1
80°	24.3	24.3	27.0	35.1	43.3	43.3	48.7	56.8	59.5
82.5°	10.8	10.8	13.5	16.2	18.9	21.6	27.0	29.7	29.7
85°	2.7	2.7	2.7	2.7	2.7	5.4	8.1	8.1	8.1
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)