

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: P303463

Luminaire Tested: **PR6FS24D010 PR6M24WD8FSBZ 4000Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303463
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-6)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR6FS24D010 PR6M24WD8FSBZ 4000Lm4000K
Description: PR6 WIDE LENS WITH, BRONZE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4129.3 lumens
Efficiency: N/A
Efficacy: 91.8 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.26
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

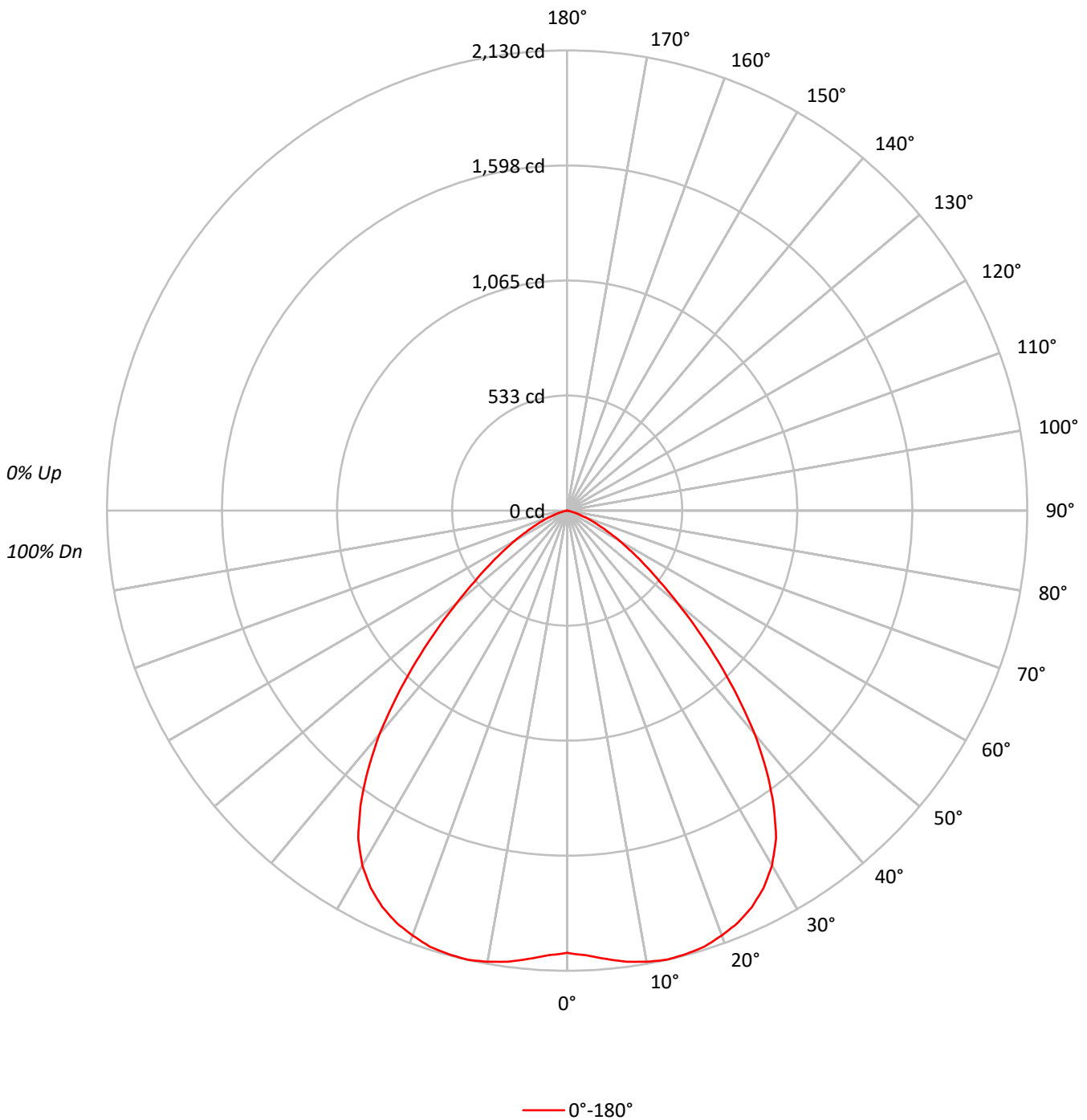
Input Watts (W): 45
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71
4	90	80	73	68	88	79	72	67	77	71	66	75	70	66	73	68	65	63
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56
6	78	67	59	54	76	66	59	53	64	58	53	63	57	53	61	56	52	50
7	73	61	54	48	71	61	53	48	59	53	48	58	52	48	56	51	47	46
8	68	56	49	44	67	56	49	44	55	48	43	53	48	43	52	47	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	39	38
10	60	48	41	37	59	48	41	37	47	41	36	46	40	36	45	40	36	35

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	133554
5°	136461
10°	140464
15°	143520
20°	145305
25°	145712
30°	142825
35°	132767
40°	115059
45°	91268
50°	67860
55°	50002
60°	36456
65°	24746
70°	15718
75°	6932
80°	1728
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.1	4.8
10°-20°	600.3	14.5
20°-30°	929.2	22.5
30°-40°	1030.7	25.0
40°-50°	764.6	18.5
50°-60°	401.9	9.7
60°-70°	166.4	4.0
70°-80°	35.4	0.9
80°-90°	0.6	0.0
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°	1729.7	41.9
0°-40°	2760.4	66.8
0°-60°	3926.8	95.1
0°-90°	4129.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4129.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2047	
5°	2084	200
15°	2125	600
25°	2024	929
35°	1667	1031
45°	989	765
55°	440	402
65°	160	166
75°	28	35
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2047.1
2.5°	2060.8
5°	2083.7
7.5°	2106.6
10°	2120.3
12.5°	2129.5
15°	2124.9
17.5°	2115.8
20°	2092.9
22.5°	2065.4
25°	2024.2
27.5°	1969.2
30°	1895.9
32.5°	1799.8
35°	1667.0
37.5°	1515.8
40°	1351.0
42.5°	1167.8
45°	989.2
47.5°	819.7
50°	668.6
52.5°	540.4
55°	439.6
57.5°	352.6
60°	279.4
62.5°	215.2
65°	160.3
67.5°	119.1
70°	82.4
72.5°	55.0
75°	27.5
77.5°	9.2
80°	4.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)