

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: P21975

Luminaire Tested: **PD6V142E-60V2GC_32TTT**

Issue Date: 03/03/2020



Test Information

Test Method: LM-79-08
Report Number: P21975
Test Lab: INNOVATION CENTER P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PD6V142E-60V2GC_32TTT
Description: HALO 6-INCH APERTURE LENSED DOWNLIGHT, VERTICAL LAMP. DIFFUSE
GLASS LENS WITH SPECULAR CLEAR TRIM.
Light Source: (1) 32W CFL TTT
CF32DT/E/IN/827
Ballast/Driver: (1) SYLVANIA ELECTRONIC BALLAST
QTP2x26CF/UNV DM

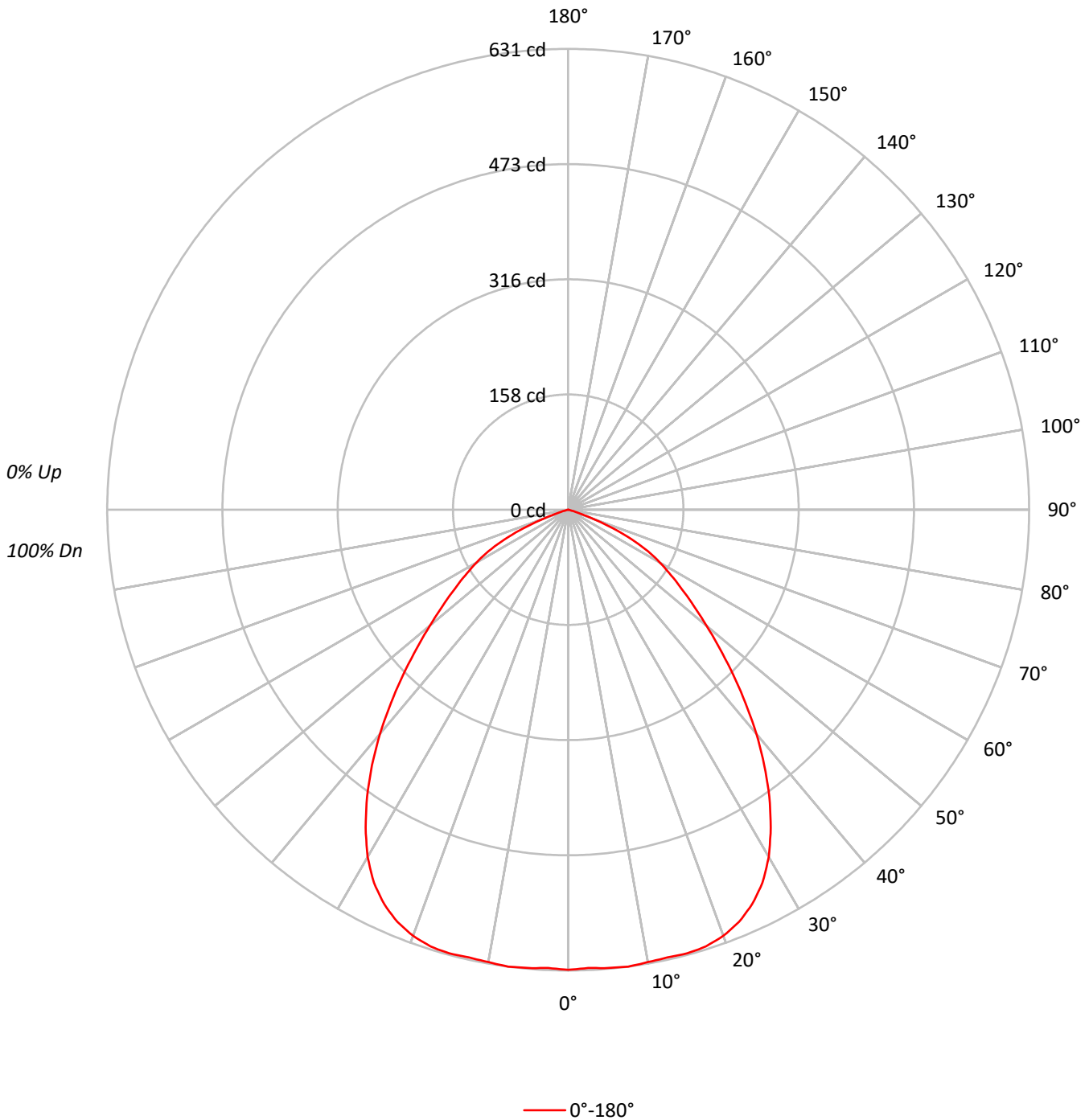
Summary

Lumens per Lamp: 2400 (1 lamp)
Luminaire Lumens: 1331.2 lumens
Efficiency: 55.5%
Efficacy: 42.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.25
Luminous Opening: Vertical Cylinder (Dia: 0.53' x H: 0.1')
CIE Type: Direct

Input Watts (W): 31.3
Input Voltage (V): NR
Input Current (Ain): 0.261
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: 24 HR
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	66	66	66	66	64	64	64	64	62	62	62		59	59	59		57	57	57	55
1	62	60	58	56	60	58	57	55	56	55	54		54	53	52		52	51	50	49
2	57	54	50	48	56	53	50	47	51	48	46		49	47	45		47	46	44	43
3	53	48	44	41	52	47	44	41	46	43	40		44	42	40		43	41	39	38
4	49	43	39	36	48	43	39	36	41	38	35		40	37	35		39	36	34	33
5	45	39	35	32	44	39	35	31	38	34	31		36	33	31		36	33	31	30
6	42	36	31	28	41	35	31	28	34	31	28		33	30	28		33	30	27	26
7	39	33	28	25	38	32	28	25	31	28	25		31	27	25		30	27	25	24
8	37	30	26	23	36	30	26	23	29	25	23		28	25	22		28	25	22	21
9	34	28	23	21	34	27	23	21	27	23	21		26	23	20		26	23	20	19
10	32	26	22	19	32	25	21	19	25	21	19		24	21	19		24	21	19	18

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	30593
5°	30079
10°	29758
15°	29714
20°	29517
25°	28724
30°	27042
35°	24366
40°	21164
45°	17672
50°	14514
55°	11984
60°	9951
65°	7286
70°	2996
75°	495
80°	119
85°	0



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ZONAL LUMENS:

CANDELA DISTRIBUTION:

Zone	Lumens	% Fixture	% Lamp	0°	Flux	
0°-10°	60.1	4.5	2.5	0°	630	
10°-20°	177.7	13.4	7.4	5°	630	60
20°-30°	273.1	20.5	11.4	15°	629	178
30°-40°	298.5	22.4	12.4	25°	596	273
40°-50°	246.8	18.5	10.3	35°	480	298
50°-60°	171.8	12.9	7.2	45°	319	247
60°-70°	92.4	6.9	3.8	55°	190	172
70°-80°	10.5	0.8	0.4	65°	96	92
80°-90°	0.4	0.0	0.0	75°	5	10
90°-100°	0.0	0.0	0.0	85°	0	0
100°-110°	0.0	0.0	0.0	90°	0	
110°-120°	0.0	0.0	0.0			
120°-130°	0.0	0.0	0.0			
130°-140°	0.0	0.0	0.0			
140°-150°	0.0	0.0	0.0			
150°-160°	0.0	0.0	0.0			
160°-170°	0.0	0.0	0.0			
170°-180°	0.0	0.0	0.0			
0°-30°	510.9	38.4	21.3			
0°-40°	809.4	60.8	33.7			
0°-60°	1228.0	92.2	51.2			
0°-90°	1331.2	100.0	55.5			
90°-120°	0.0	0.0	0.0			
90°-150°	0.0	0.0	0.0			
90°-180°	0.0	0.0	0.0			
0°-180°	1331.2	100.0	55.5			



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CANDELA DISTRIBUTION (FULL):

	0°
0°	630
2.5°	628
5°	630
7.5°	631
10°	629
12.5°	628
15°	629
17.5°	627
20°	621
22.5°	611
25°	596
27.5°	576
30°	549
32.5°	516
35°	480
37.5°	441
40°	401
42.5°	359
45°	319
47.5°	281
50°	247
52.5°	217
55°	190
57.5°	167
60°	145
62.5°	123
65°	96
67.5°	66
70°	35
72.5°	15
75°	5
77.5°	2
80°	1
82.5°	1
85°	0
87.5°	0
90°	0

(END OF REPORT)